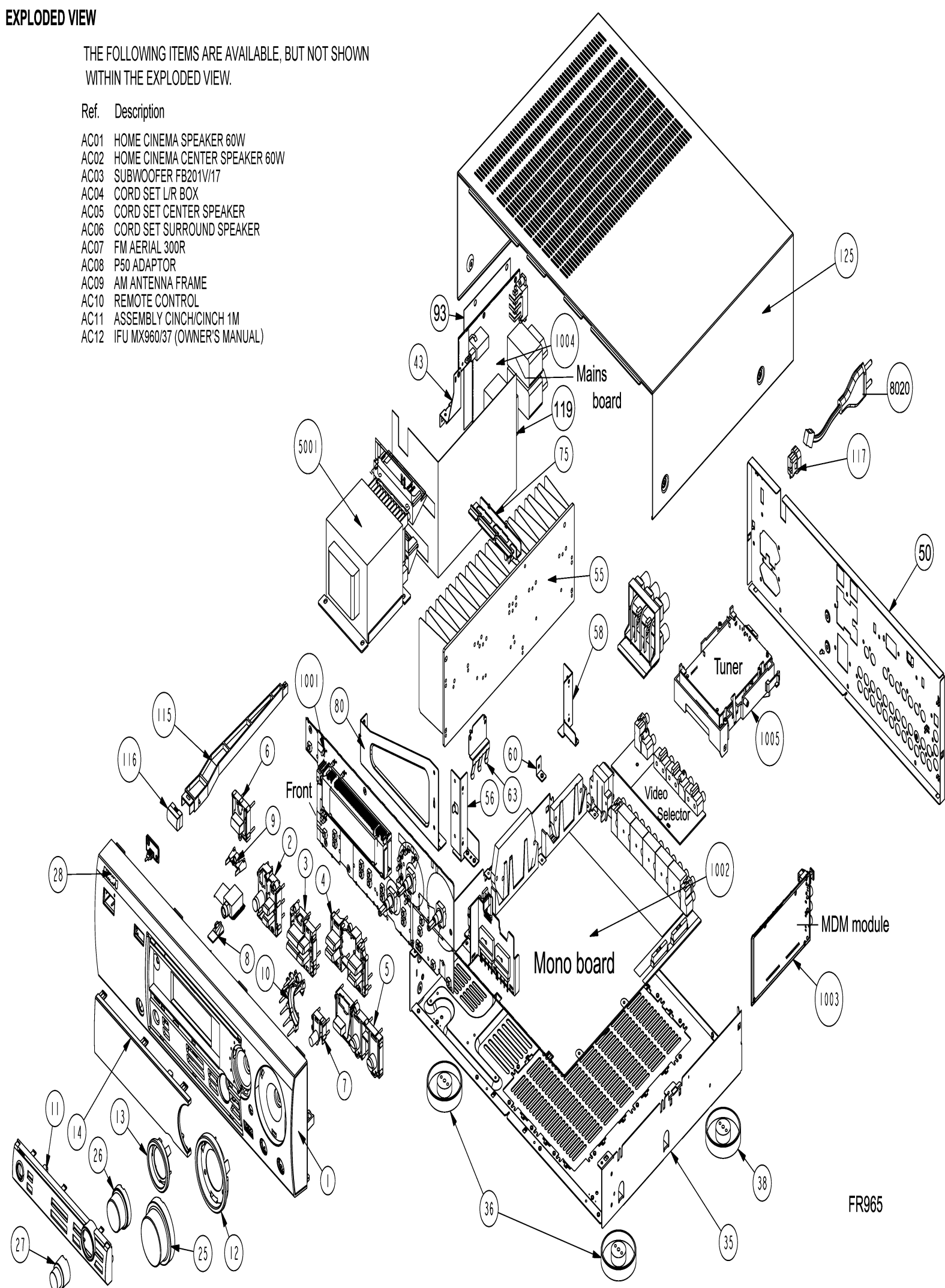


EXPLODED VIEW

THE FOLLOWING ITEMS ARE AVAILABLE, BUT NOT SHOWN
WITHIN THE EXPLODED VIEW.

Ref. Description

- AC01 HOME CINEMA SPEAKER 60W
- AC02 HOME CINEMA CENTER SPEAKER 60W
- AC03 SUBWOOFER FB201V/17
- AC04 CORD SET L/R BOX
- AC05 CORD SET CENTER SPEAKER
- AC06 CORD SET SURROUND SPEAKER
- AC07 FM AERIAL 300R
- AC08 P50 ADAPTOR
- AC09 AM ANTENNA FRAME
- AC10 REMOTE CONTROL
- AC11 ASSEMBLY CINCH/CINCH 1M
- AC12 IFU MX960/37 (OWNER'S MANUAL)



GENERAL INFORMATION

Manual 1962 Covering the FR963DHT (FR963/17), FR965DHT (FR965/17), MX955DHT (MX955D/37), MX960DHT (MX960D/37), and MX970DHT (MX970D/37) Digital A/V Surround Receivers

Display Product View

SYSTEM INFORMATION

Receiver	Front speaker	Center Box	Surround Box	Subwoofer
MX 960D/37 includes :				
FR965/17	2 x Home Cinema Speaker 60W	Home Cinema Center Speaker 50W	2 x Home Cinema Speaker 60W	FB201V/17
MX 955D/37 includes :				
FR965/17	2 x Home Cinema Speaker 60W	Home Cinema Center Speaker 50W	2 x Home Cinema Speaker 60W	SW090/17 3139 118 78670
MX 970D/37 includes :				
FR963/17	MX970FS/17 9965 000 11850	MX970CS/17 9965 000 11852	MX970RS/17 9965 000 11854	FB201V/17

Location Of Printed Circuit Boards

Display Circuit Board Location Guide

Specifications

Display System Specifications

Service Tools

Audio Signals Test Disc 1.....4822 397 30184

AVAILABLE ESD PROTECTION EQUIPMENT :

Anti-static table mat large 1200x650x1.25mm	4822 466 10953
Small 600x650x1.25mm	4822 466 10958
Anti-static wristband	4822 395 10223
Connection box (3 press stud connections, 1M)	4822 320 11307

Extendible cable (2m, 2M , to connect wristband to connection box)	4822 320 11305
Connecting cable (3m, 2M , to connect table mat to connection box)	4822 320 11306
Earth cable (1M , to connect any product to mat or to connection box)	4822 320 11308
KIT ESD3 (combining all 6 prior products - small table mat)	4822 310 10671
Wristband tester	4822 344 13999

Measurement Setups

Display Tuner FM Setup

Display Tuner AM Setup

Safety/ESD Warning Notices:

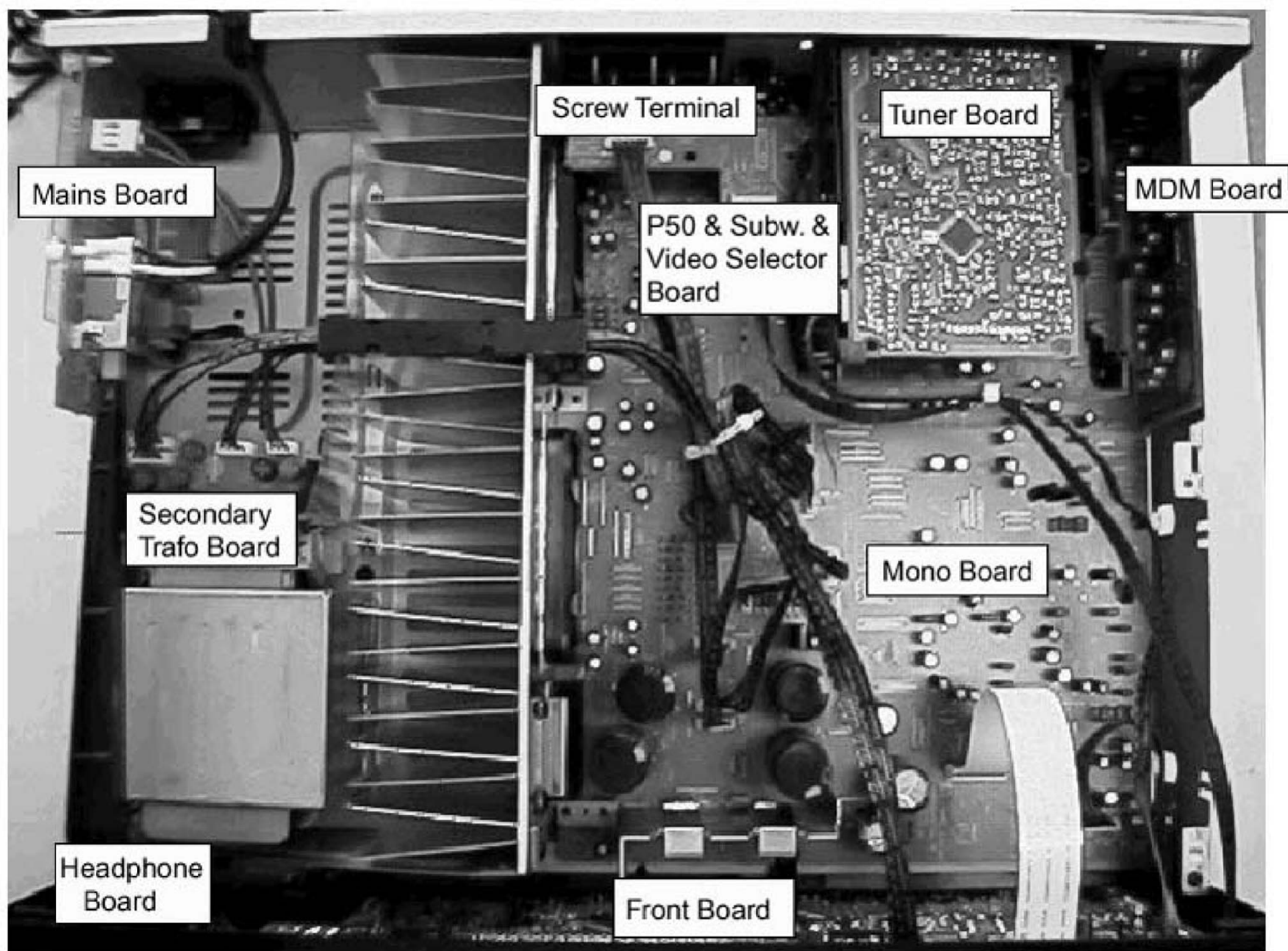
Display Safety/ESD Warning Notices

Handling Chip Type (SMD) Components

Display Chip Handling Guide

Abbreviations

Display Abbreviation List



Screw Terminal

Tuner Board

MDM Board

Mains Board

P50 & Subw. &
Video Selector
Board

Secondary
Trafo Board

Mono Board

Headphone
Board

Front Board

ESD



WARNING

All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wristband with resistance. Keep components and tools at this potential.

SAFETY



Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

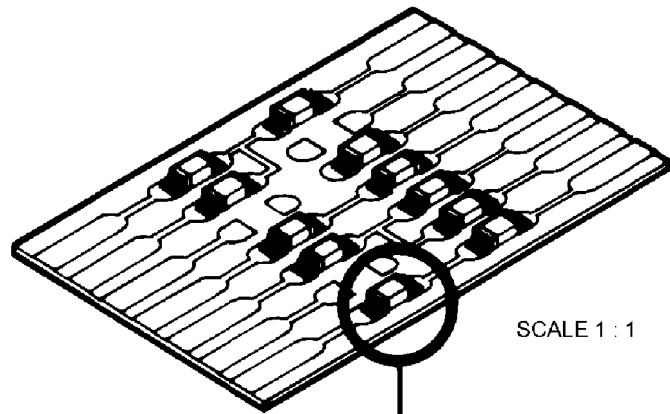
Safety components are marked by the symbol .

**CLASS 1
LASER PRODUCT**

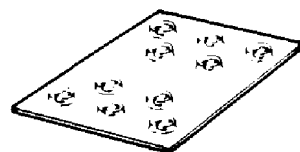
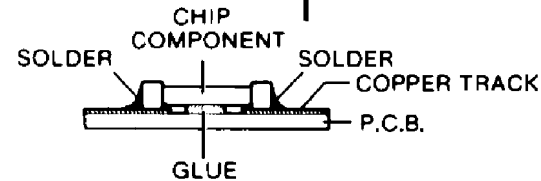
**DANGER: Invisible laser radiation when open.
AVOID DIRECT EXPOSURE TO BEAM.**

HANDLING CHIP COMPONENTS

GENERAL

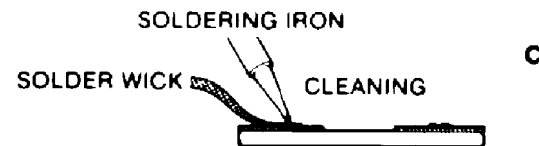
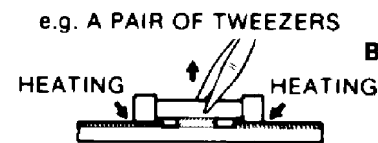
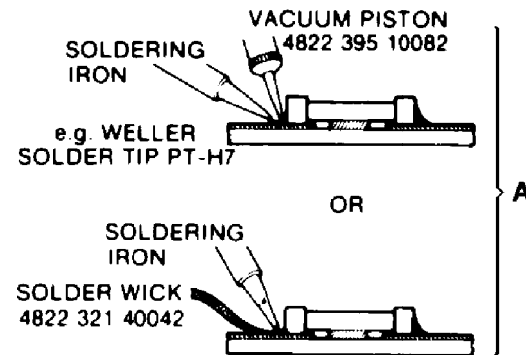


SCALE 1:1



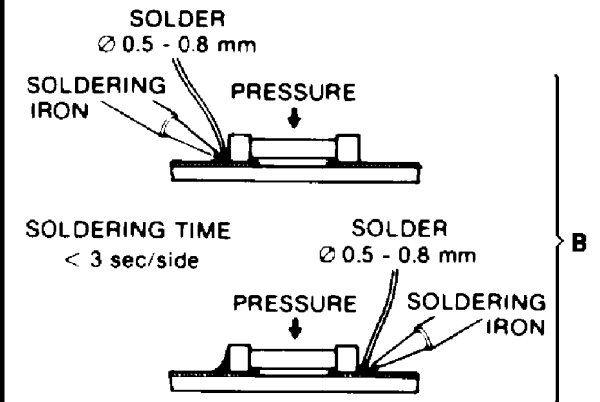
SERVICE PACKAGE

DISMOUNTING

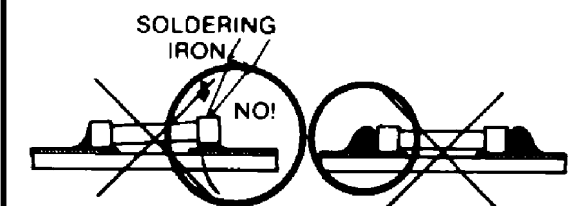


MOUNTING

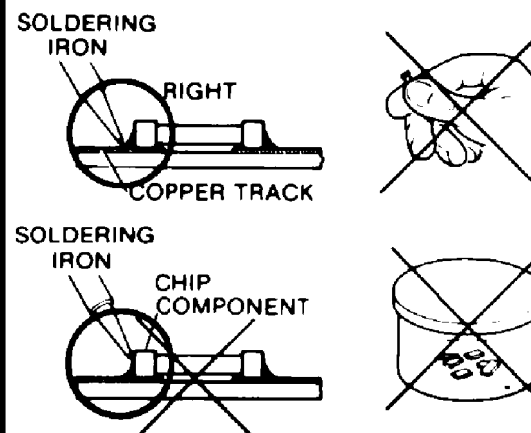
e.g. A PAIR OF TWEEZERS



EXAMPLES

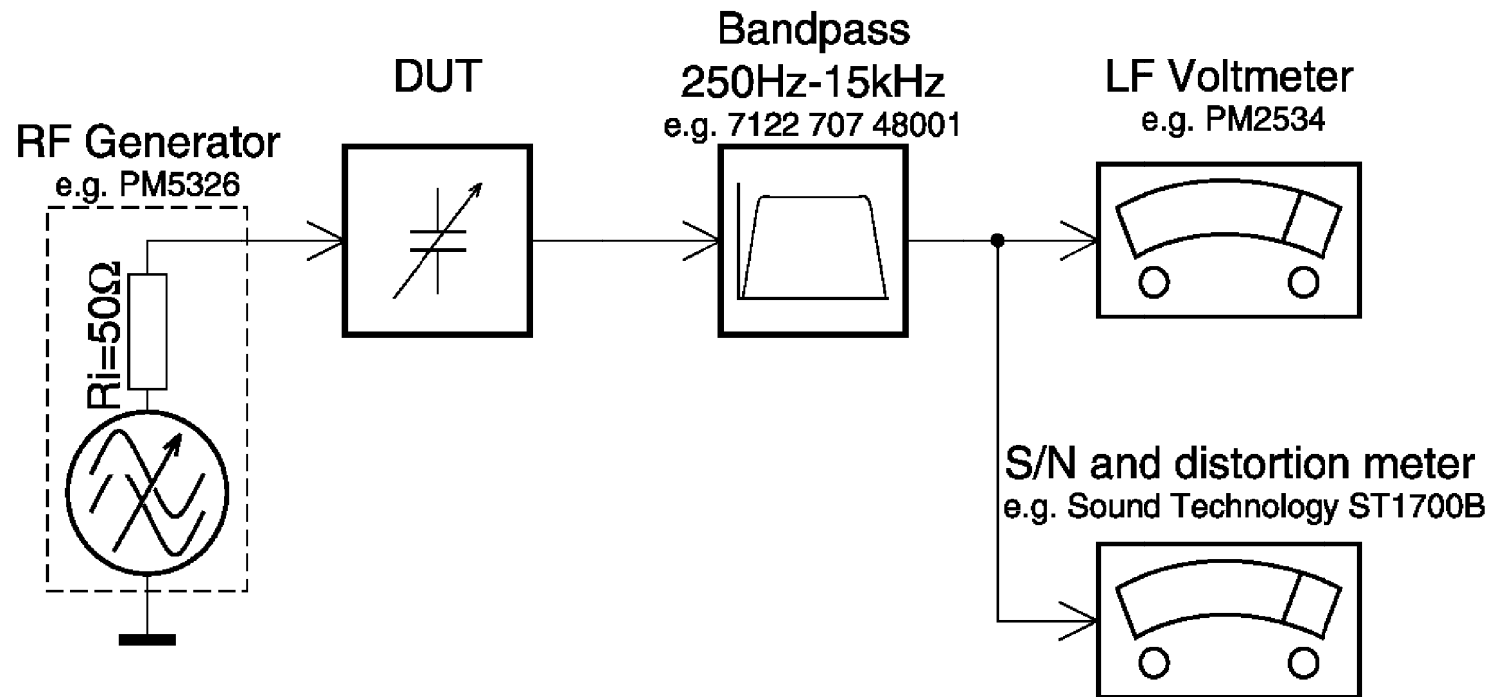


PRECAUTIONS



MEASUREMENT SETUP

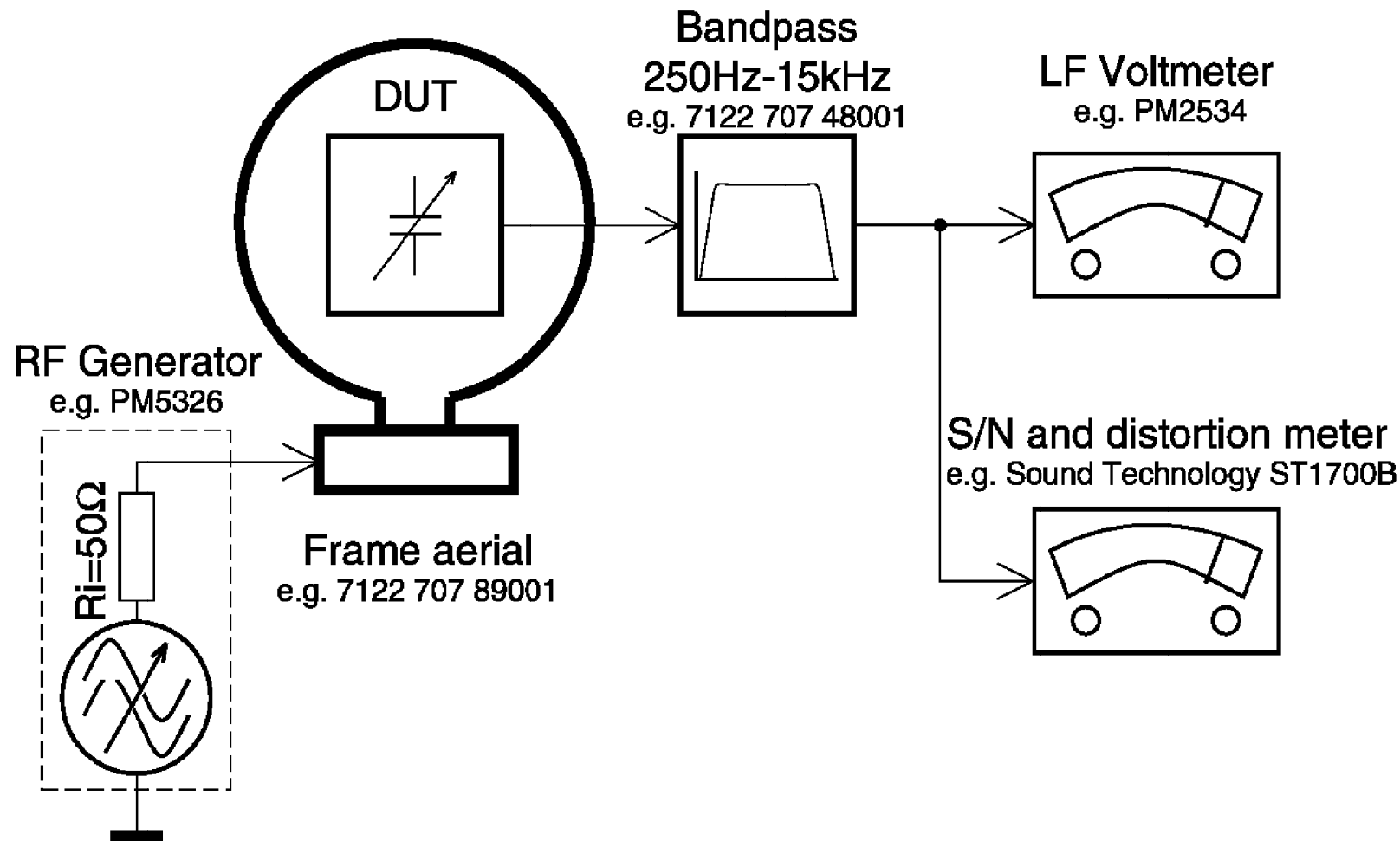
Tuner FM



Use a bandpass filter to eliminate hum (50Hz, 100Hz) and disturbance from the pilot tone (19kHz, 38kHz).

MEASUREMENT SETUP

Tuner AM (MW,LW)



To avoid atmospheric interference all AM-measurements have to be carried out in a Faraday's cage. Use a bandpass filter (or at least a high pass filter with 250Hz) to eliminate hum (50Hz, 100Hz).

SPECIFICATION FR965 /17

General

Mains voltage	: 120V
Mains frequency	: 60Hz
Power consumption	: ≤ 2W at stby
Dimension. wxhxd	: 435x138x350 mm
Remote control	: Multibrand/Universal

Amplifier

Output power	
Stereo mode (L+R)	: 2x50W FTC (40Hz-20kHz, 0,7%THD, 6Ω)
Surround mode	
L + R	: 2x60W (1kHz, 0,7%THD, 6Ω)
Center	: 60W (1kHz, 0,7%THD, 6Ω)
Surround Left+Right	: 2x60W (1kHz, 0,7%THD, 6Ω)
Distortion (5W)	
1kHz	: ≤ 0,05%
40Hz - 20kHz	: ≤ 0,2%
Headphone	: 6,3mm stereo jack with switch
Output level	: 3V EMF, 60Ω
Crosstalk between source (1W)	—1kHz : ≤ -65dB 250Hz – 10kHz : ≤ -60dB
Crosstalk between channels (1W)	-1kHz : ≤ -55dB 250Hz – 10kHz : ≤ -50dB
Frequency response	: ≤ 10Hz – ≥ 30kHz (-1dB)
Power stage protection	: Shortcircuit : DC (Vout ≥ 10V) for ±1sec
Temperature	: Transformer (≥ 140° Celcius) : Heatsink (≥ 140° Celcius)

Audio Selector

Analog Input sensitivity	
Phono	: 5mV impedance 47kΩ/220pf
CD	: 250mV impedance ≥ 47kΩ
CDR/TAPE	: 250mV impedance ≥ 47kΩ
VCR	: 250mV impedance ≥ 47kΩ
TV	: 250mV impedance ≥ 47kΩ
SAT	: 250mV impedance ≥ 47kΩ
6 CH/DVD	: 250mV impedance ≥ 47kΩ
Output level	
CDR/TAPE	: 250mV impedance ≤ 1kΩ
VCR	: 250mV impedance ≤ 1kΩ
Output level (variable)	
Subwoofer pre-out	: 800mV impedance ≤ 1kΩ
Center pre-out	: 800mV impedance ≤ 1kΩ

Digital Selector

Input	: 2 x cinch : 1 x optical
Output	: 1 x cinch

Video Selector - CVBS

Input sensitivity	
DVD/VCR/TV	: 1 Vpp impedance 75Ω
Output level	
Monitor/VCR	: 1 Vpp impedance 75Ω
Frequency response	: ≤ 50Hz → ≥ 6MHz

Tone controle

Loudness	
(volume ≤ -30dB Ref: 1kHz=0dB)	: 100Hz +6 dB : 10kHz +2,5 dB
Tone control (Ref: 1kHz=0dB)	
	: Bass 100Hz -9dB → +9dB
	: Treble 10kHz -9dB → +9dB

DSC settings		100Hz	1kHz	10kHz
Personal	dB	0	0	0
Movie	dB	+ 4	+2	+4
Speech	dB	- 4	+1	- 2
Music	dB	+ 4	- 1	+2
Multimedia	dB	+ 7	+3	+6

Multi Channel Decoder - MDM98

MPEG5.1 / MPEG 7.1 (7.1 downmix to 5.1)
Dolby Digital (AC-3)
Linear PCM
Automatic audio/data type detection (AC-3,MPEG-2,PCM)
Dolby Pro Logic
MPEG-2 dual mono channel selection I/II
MPEG-2 dual stereo channel selection I/II
3D Surround (422/423) (522/523)
Virtual MPEG Digital (522/523)
Digital Bass Management
Parallel Stereo Downmix
Four Stereo (224)
Volume Control
Noise Generator (test tone)
Surround mode selector
Delay Center and Surround Left , Surround Right

Tuner - (ECO5)



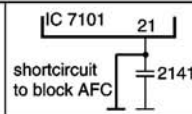






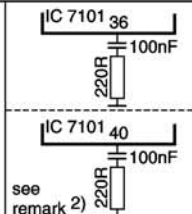

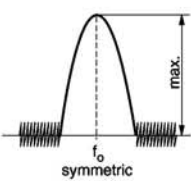





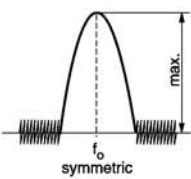
FM	
Tuning range	: 87.5 – 108MHz
Grid	: 100kHz
IF frequency	: 10.7MHz ±25kHz
Aerial input	: 300 Ω clickfit
Sensitivity at 26dB S/N	: ≤ 2μV
Selectivity at 300kHz	: ≥ 55dB
Image rejection	: ≥ 48dB
Distortion at RF=1mV,dev.75kHz	: ≤ 0,9%
-3dB Limiting point	: ≤ 2μV
Crosstalk at RF=1mV,dev.40kHz	: ≥ 27dB

MW	
Tuning range	: 530 - 1700kHz
Grid	: 10kHz
IF frequency	: 450kHz ±1kHz
Aerial input	: Frame aerial
Sensitivity at 26dB S/N	: ≤ 3,5mV/m
Selectivity at 9kHz bandwidth	: ≥ 18dB
IF rejection	: ≥ 64dB
Image rejection	: ≥ 28dB
Distortion at RF=50mV,m=80%	: ≤ 3%

ABBREVIATIONS

A		P	
ac 0VA	AC 0 Voltage	p gnd	P50 ground
ac 10VB	AC 10 Voltage	p p50	Cinema link P50 code
ac 110VB	AC 110 Voltage		
ac 120VB	AC 120 Voltage	S	
ac gnd	AC ground	s gnd	Surround ground
ac h1	AC high voltage 1	sofac scl	Sofac I ² C clock
ac h2	AC high voltage 2	sofac1 sda1	Sofac 1 I ² C data1
ac l1	AC low voltage 1	sofac2 sda2	Sofac 2 I ² C data2
ac l2	AC low voltage 2	ss ce	Source selector chipenable
ac1	AC voltage 1	ss clk	Source selector clock
ac2	AC voltage 2	ss data	Source selector data
ac3	AC voltage 3	surr pre-out	Surround pre-out
amp lr on	Amplifier Left - Right On		
amp mute c s	Amplifier mute center surround	T	
amp mute c s sub	Amplifier mute center surround subwoofer	tu clk	Tuner clock
		tu da	Tuner data
amp mute lr	Amplifier mute Left - Right	tu en	Tuner enable
amp pd	Amplifier power down	tu gnd	Tuner ground
amp prot	Amplifier protection	tu l	Tuner Left
amp s on	Amplifier surround On	tu r	Tuner Right
amp stby	Amplifier Standby	tu rds	Tuner RDS
av gnd	Audio ground	tu stereo	Tuner stereo
av l	Audio Left		
av r	Audio Right	V	
A/V	Audio/Video	v gnd	Video ground
		v scl	Video I ² C clock
F		v sda	Video I ² C data
f1	Filament 1	v sig	Video signal
f2	Filament 2	v sub sur	Video subwoofer surround
fmute	Fast mute		
G			
gnd d	Ground digital		
gnd s	Ground signal		
H			
hp gnd	Headphone ground		
hp l	Headphone Left		
hp on	Headphone On		
hp r	Headphone Right		
hst	Heatsink temperature		
L			
ls c	Loudspeaker Center		
ls gnd	Loudspeaker ground		
ls l	Loudspeaker Left		
ls r	Loudspeaker Right		
M			
mdm	<u>M</u> ulti channel <u>D</u> ecoding <u>M</u> odule		
mdm c out	— Center out		
mdm gnd	— ground		
mdm l dmix	— Downmix Left		
mdm l in	— Left in		
mdm l out	— Left out		
mdm r dmix	— Downmix Right		
mdm r in	— Right in		
mdm r out	— Right out		
mdm req	— request		
mdm rst	— reset		
mdm scl	— I ² C clock		
mdm sda	— I ² C data		
mdm sl out	— surround Left out		
mdm sr out	— surround Right out		
mdm sub out	— subwoofer out		
mfd	Mains failure detection		

TUNER ADJUSTMENT TABLE (ECO5 FM/MW- and FM/MW/LW - versions with AM-frame aerial)

Waverange	Input frequency	Input	Tuned to	Adjust	Output	Scope/Voltmeter
VARICAP ALIGNMENT						
FM 87.5 - 108MHz (65.81 - 74, 87.5 - 108MHz)			108MHz	5130		8V ±0.2V
			87.5MHz (65.81MHz)	check		4.3V ±0.5V (1.2V ±0.5V)
MW FM/AM-version, 10kHz grid 530 - 1700kHz			1700kHz	5123		8V ±0.2V
			530kHz	check		1.1V ±0.4V
FM/MW-version, 9kHz grid 531 - 1602kHz			1602kHz	5123		6.9V ±0.2V
			531kHz	check		1.1V ±0.4V
LW 153 - 279kHz			279kHz	5122		8V ±0.2V
			153kHz	check		1.1V ±0.4V
MW FM/MW/LW- version, 9kHz grid 531 - 1602kHz			1602kHz	5123		8V ±0.2V
			531kHz	check		1.1V ±0.4V
FM IF						
FM	10.7MHz, 50mV continuous wave			5119		0 ± 3 mV DC
FM RF						
FM 87.5 - 108MHz (65.81 - 74, 87.5 - 108MHz)	108MHz	 mod=1kHz Δf=±22.5kHz	108MHz	2155		MAX
	87.5MHz (65.81MHz)		87.5MHz (65.81MHz)	5131		
VCO						
FM	98MHz, 1mV continuous wave		98MHz	3142		152kHz ±1kHz ¹⁾
AM IF						
MW	450kHz connect pin 6 of IC 7101 (AM Osc.) with short wire to ground (pin 4)	 Δf=±15kHz V _{RF} = 3mV		5111		
AM AFC MW				5112		
		 continuous wave V _{RF} = 10mV		5114		0 ± 2 mV DC
AM RF ³⁾						
MW ⁴⁾ FM/MW/LW- and FM/MW-version (9kHz grid) 531 - 1602kHz	1494kHz	  Δf = ±30kHz V _{RF} as low as possible	1494kHz	2106		
			558kHz	558kHz		
LW	198kHz		198kHz	5103		
MW FM/AM-version, 10kHz grid 530 - 1700kHz	1500kHz		1500kHz	2106		
	560kHz		560kHz	5102		

Use service test program. By selecting the TUNER TEST test frequencies will be stored as preset frequencies automatically.

ECO5, discr. coil, 090797

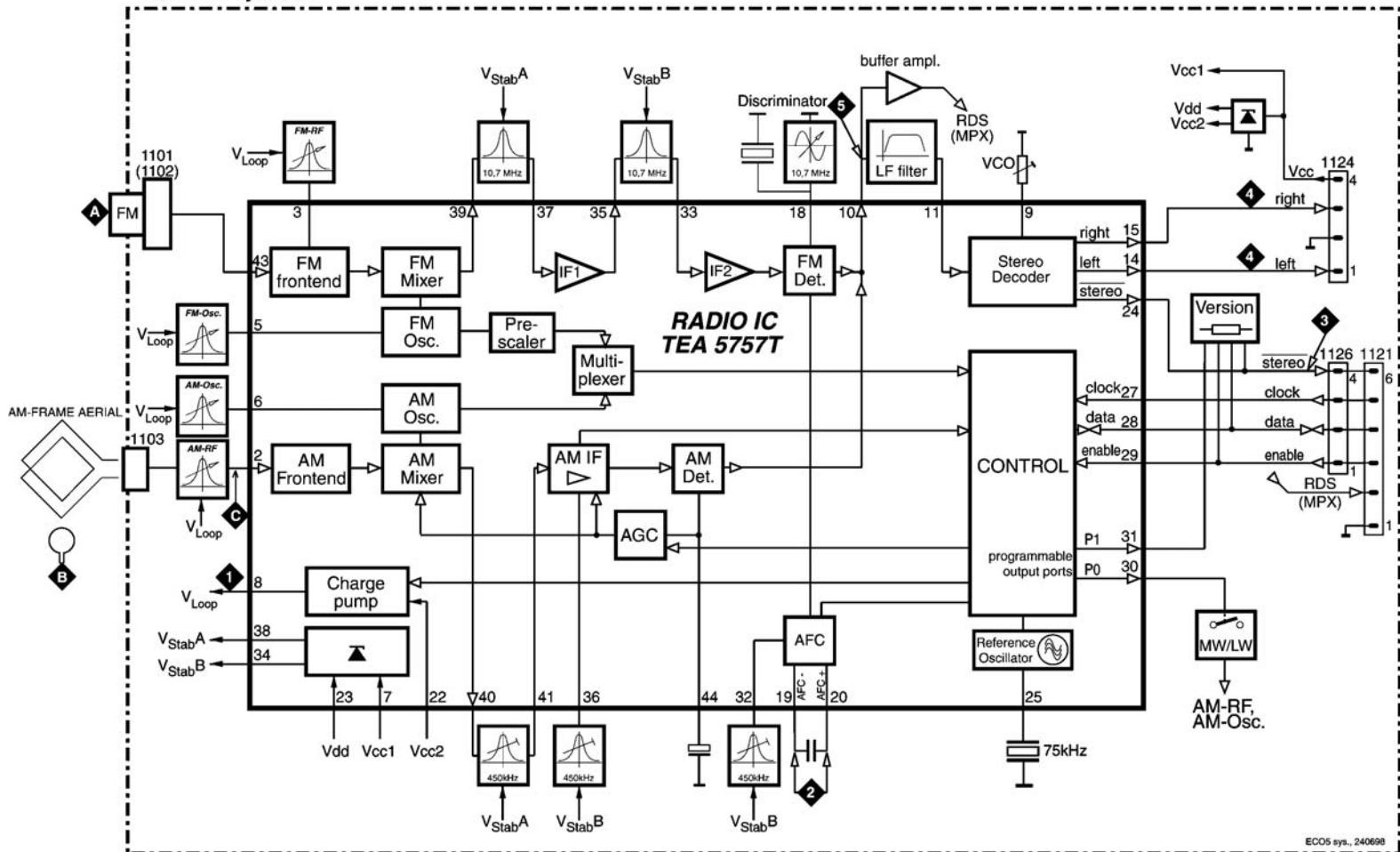
¹⁾ If sensitivity of frequency counter is too low adjust to max. channel separation
(input signal: stereo left 90% + 9%, adjust output on right channel to minimum)

²⁾ RC network serves for damping the IF-filter while adjusting the other one.

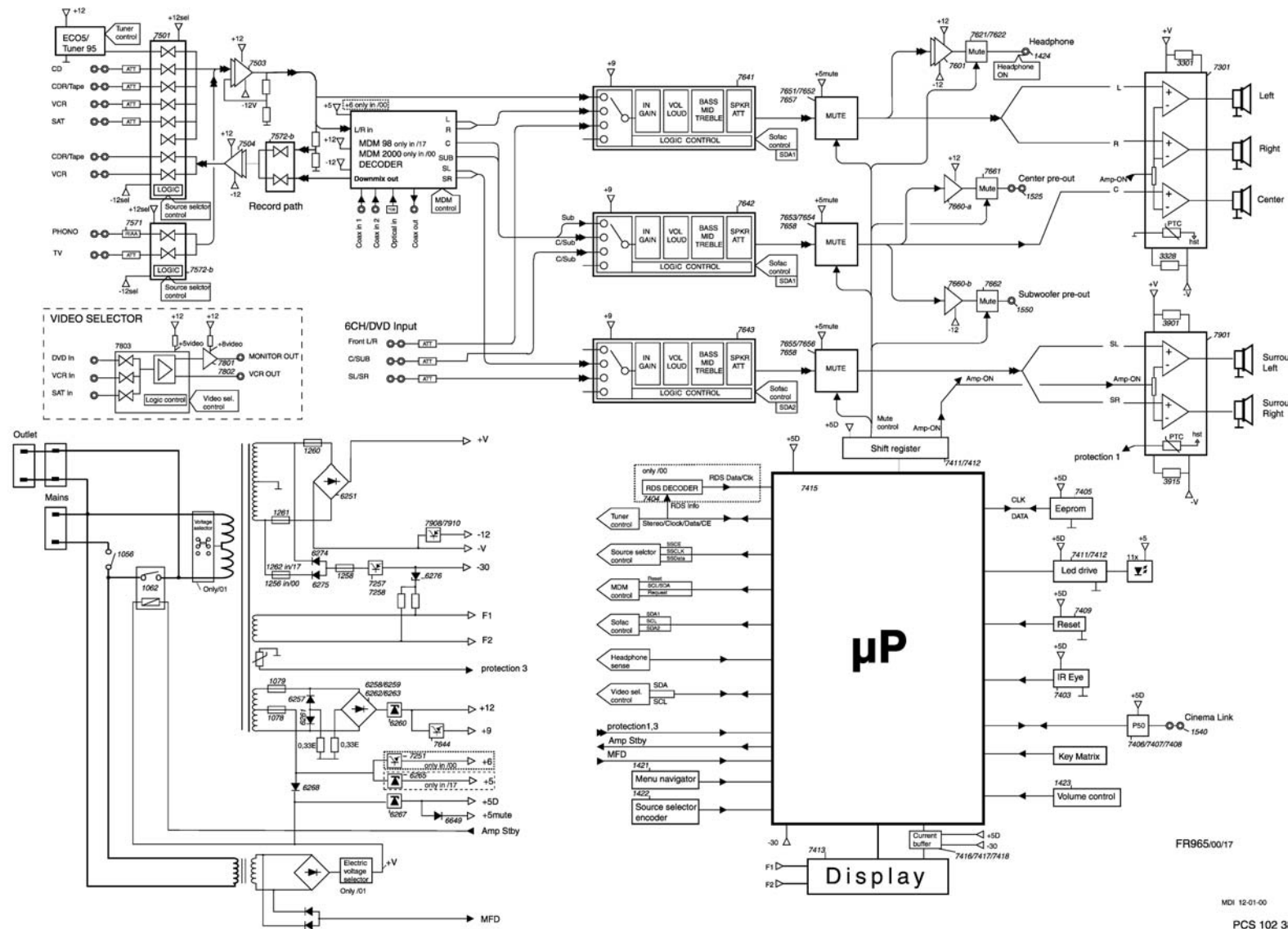
³⁾ For AM RF adjustments the original frame antenna has to be used !

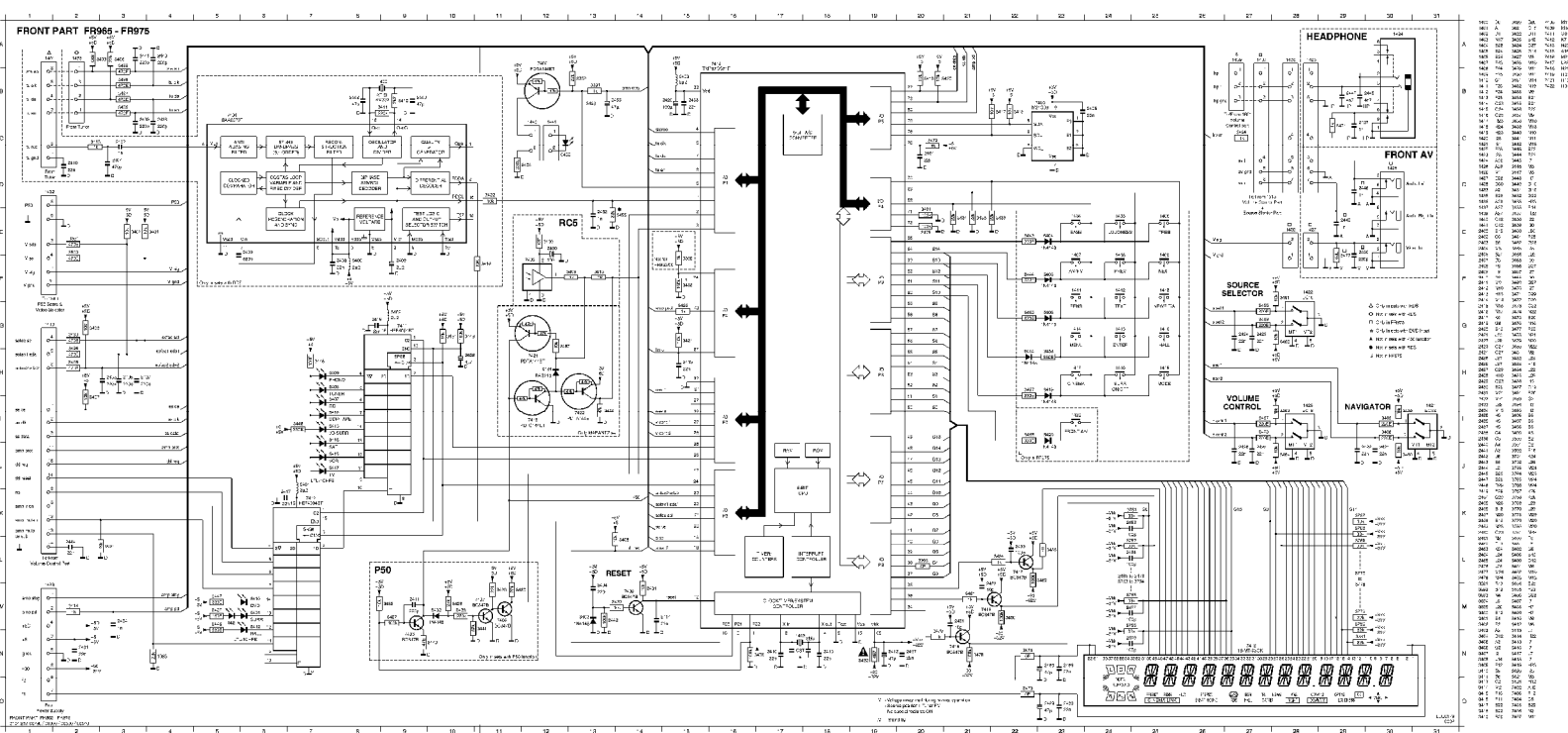
⁴⁾ MW has to be aligned before LW.

TUNER BOARD **ECO 5 systems**

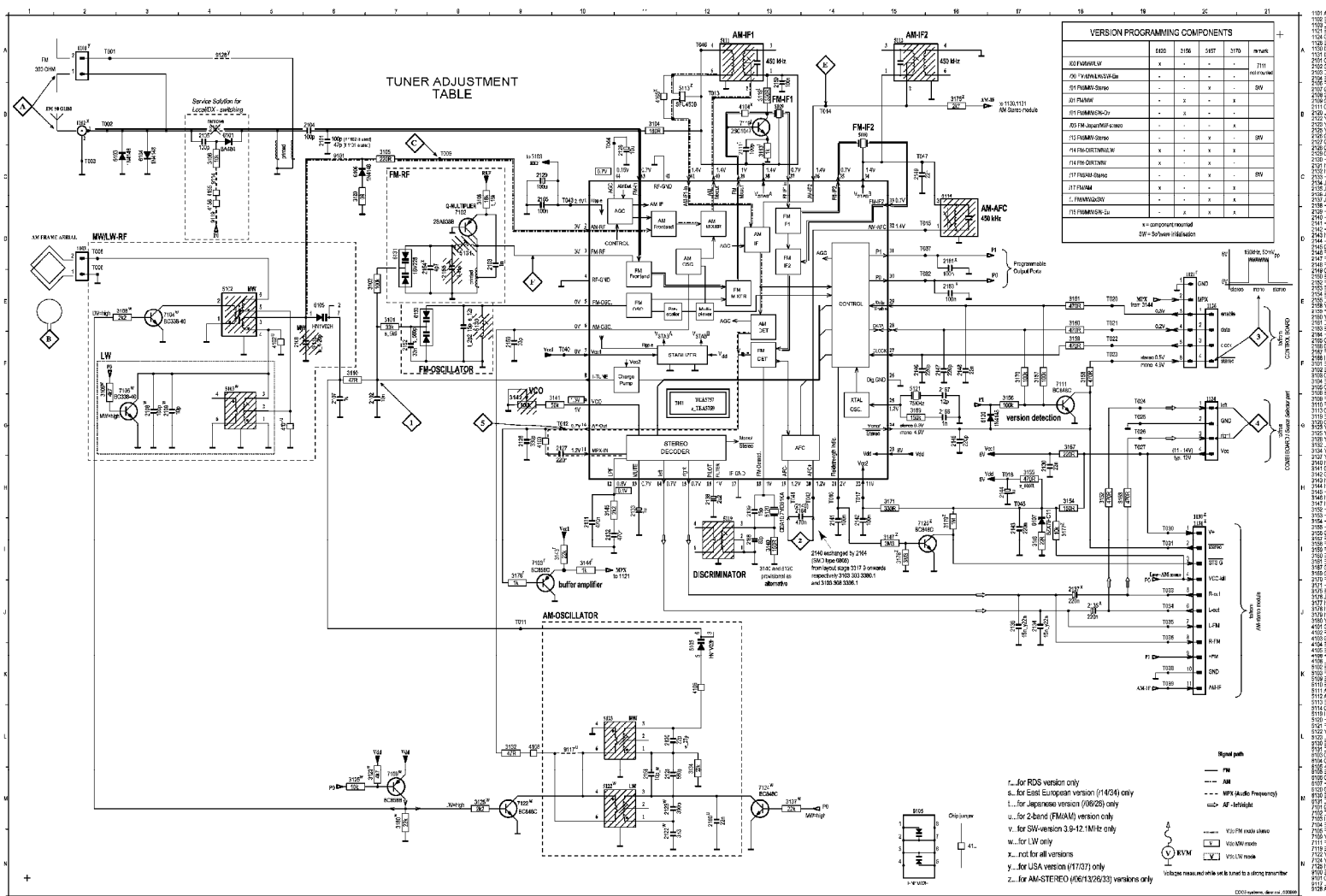


BLOCKDIAGRAM





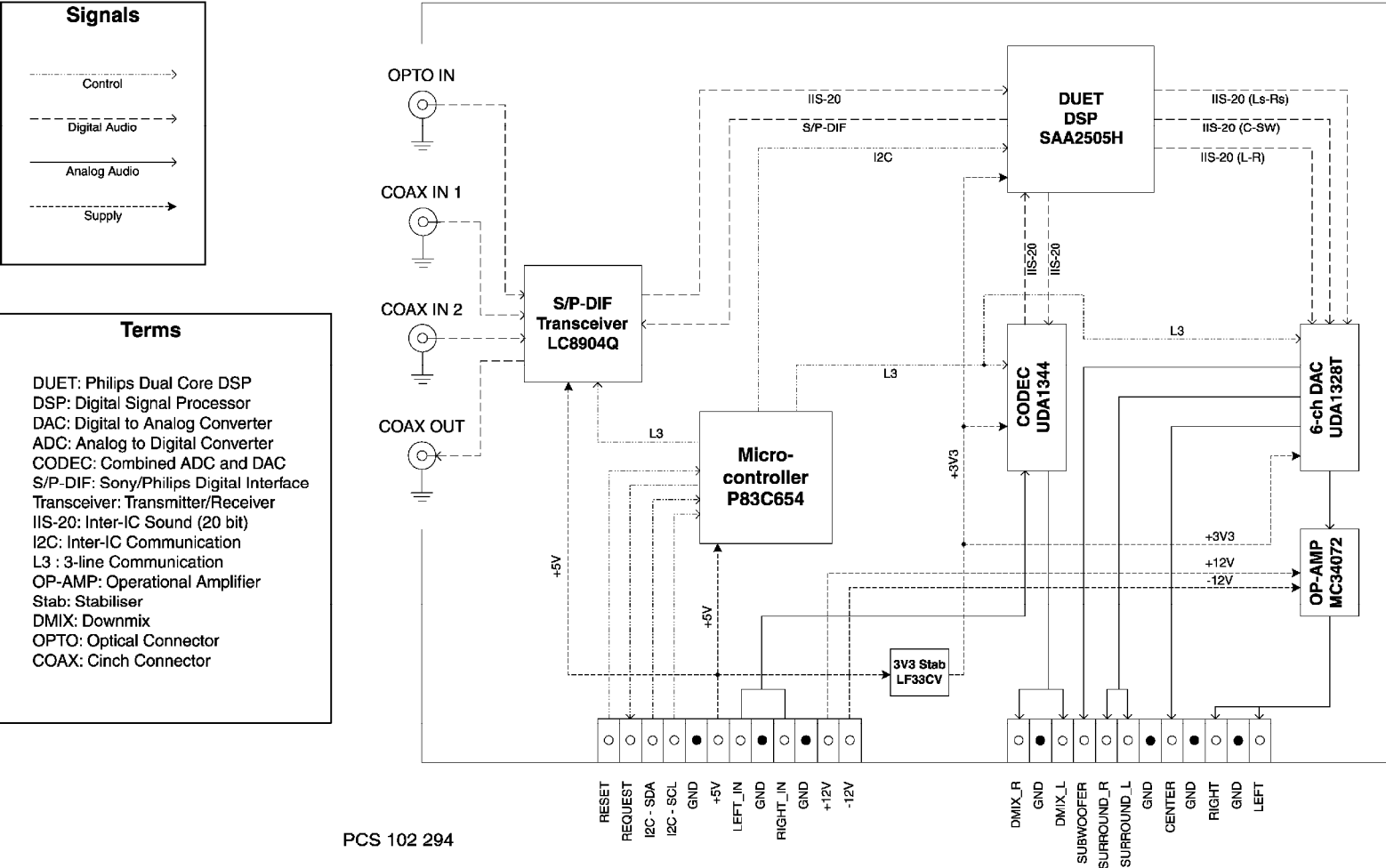
TUNER BOARD ECO5 / Systems



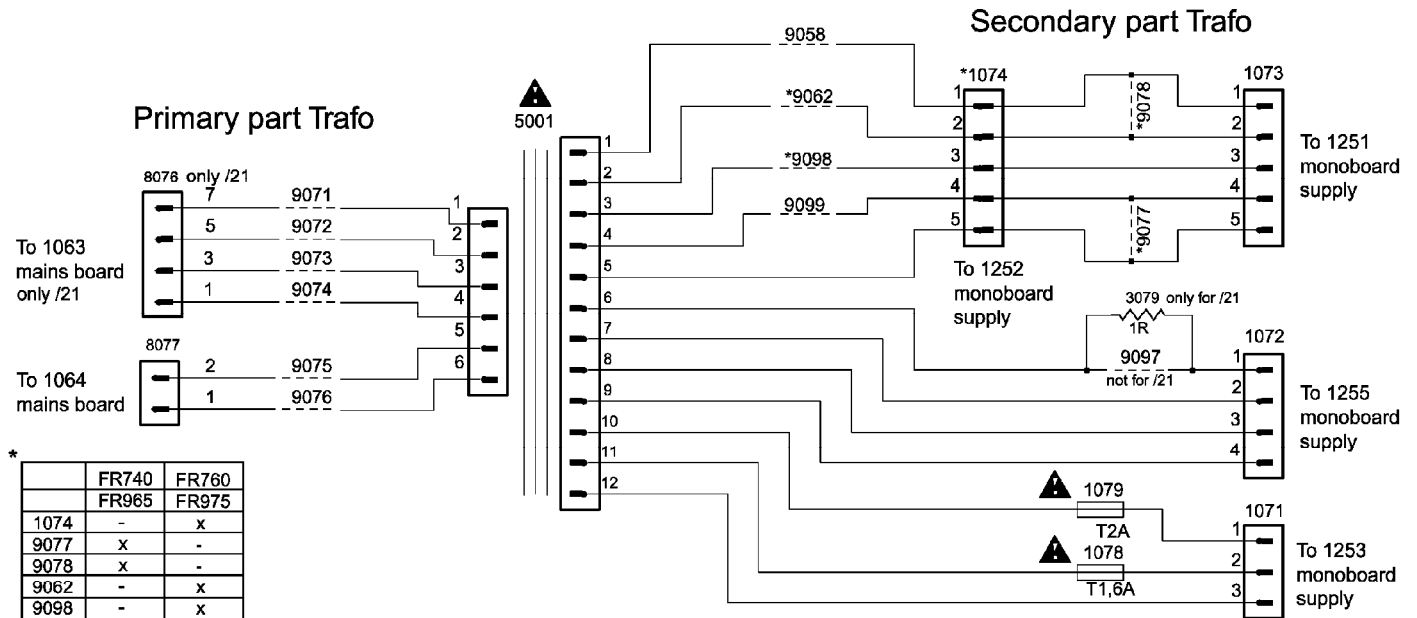
BLOCK-DIAGRAM

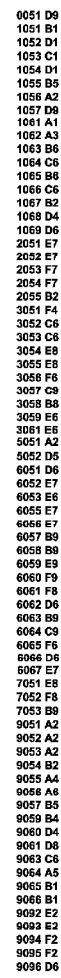
Note: No Schematic is provided here as this Circuit Board Assembly is considered to be a "non-repairable / replace only" type assembly. Individual parts are limited, refer to the PCB Overlay.

MULTI-CHANNEL DECODING MODULE '98

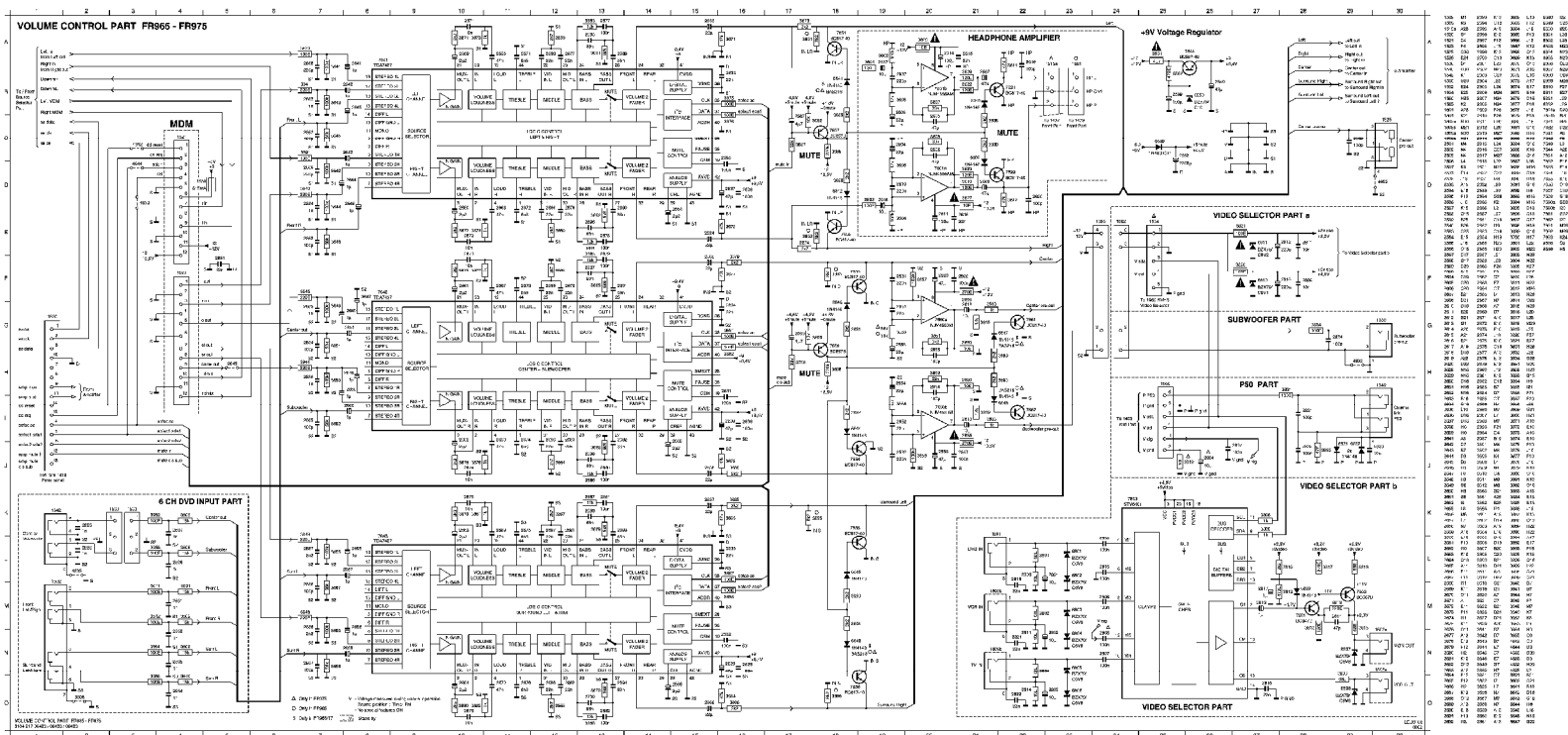


MAINS TRAF0 PART





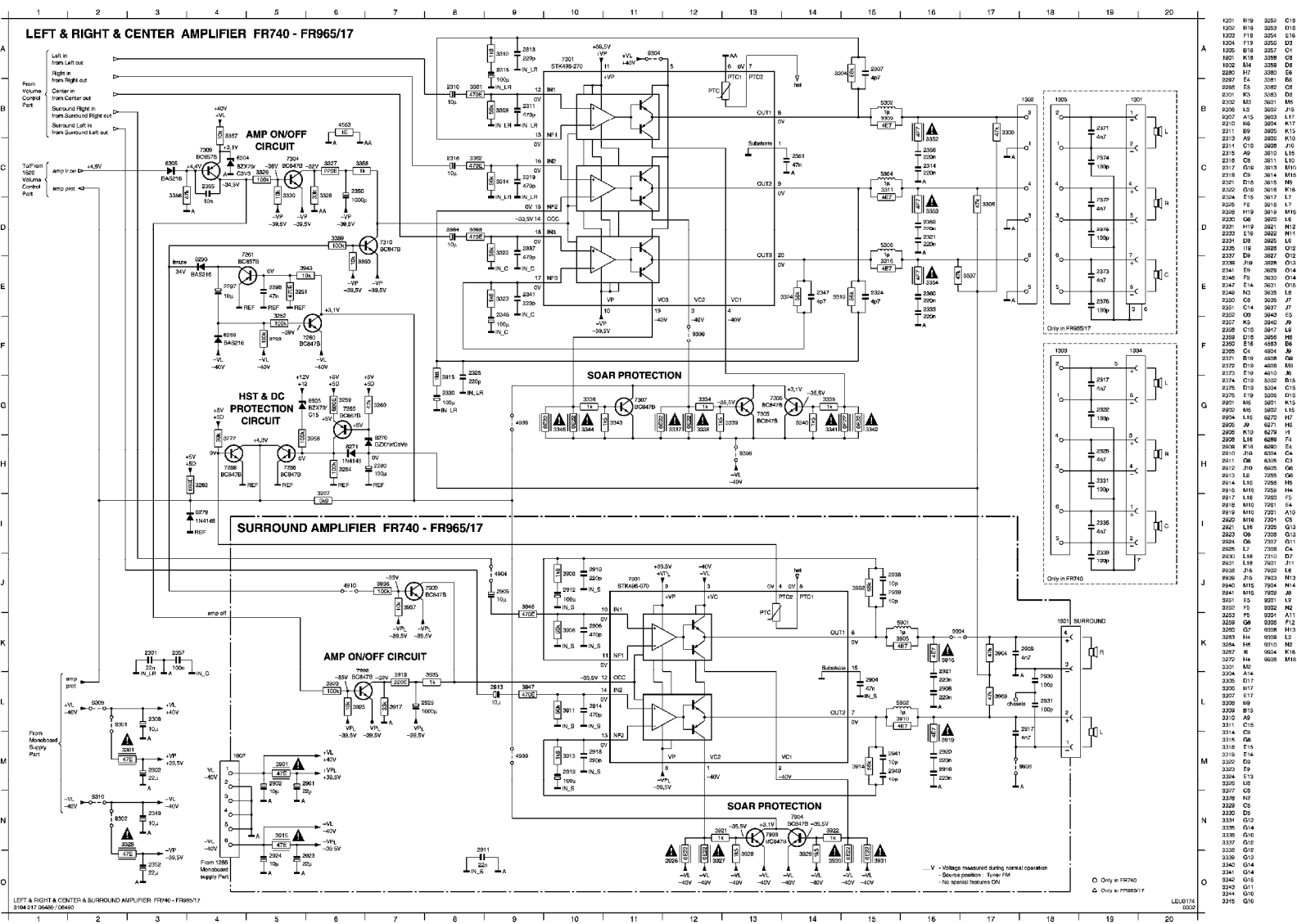




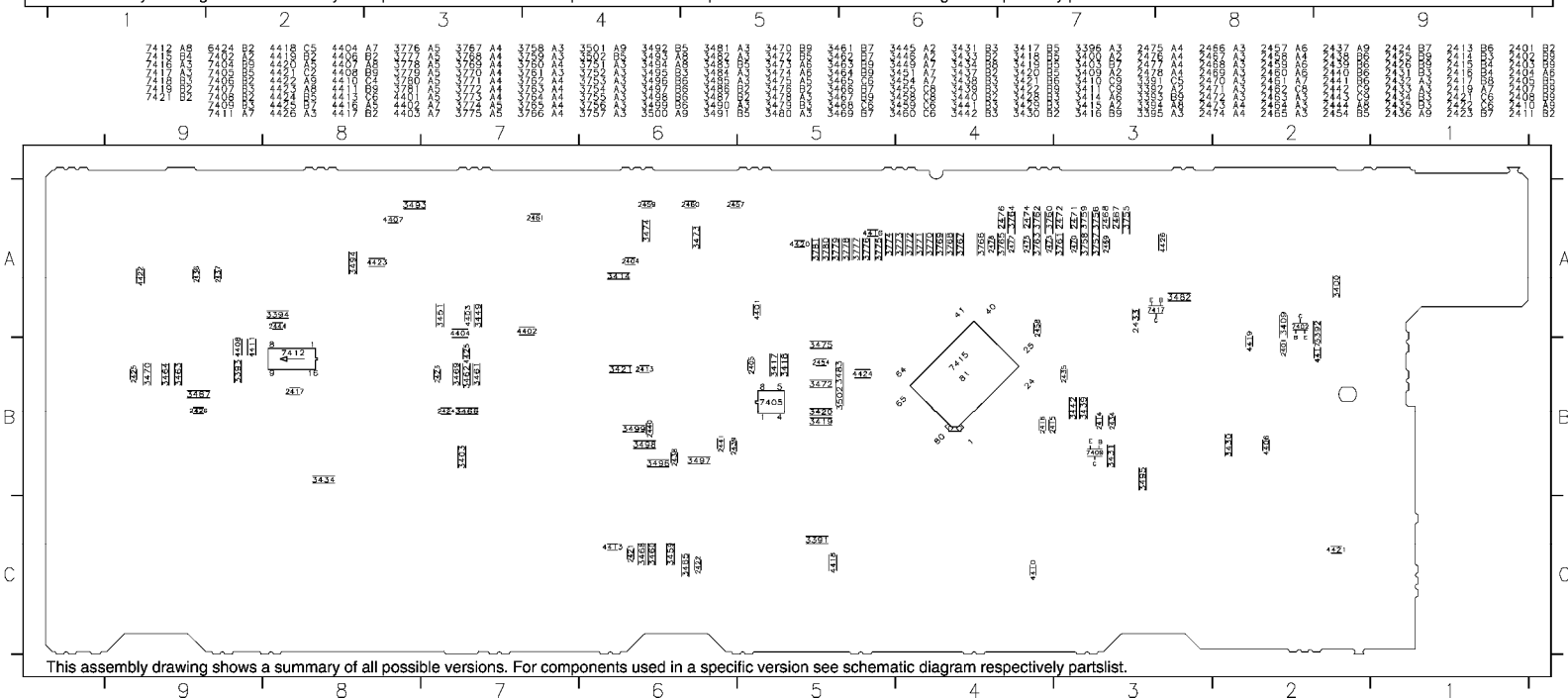
The schematic diagram illustrates the power supply section of a Philips FR740 tuner. It shows the following components and connections:

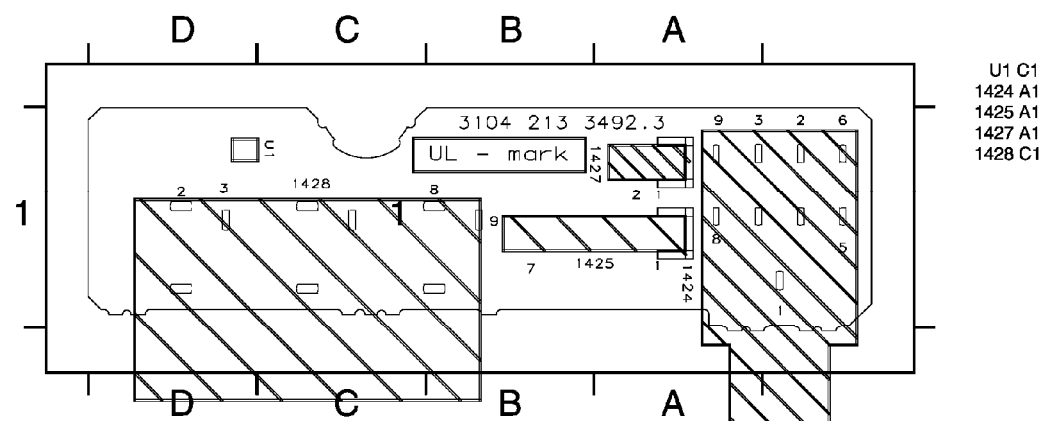
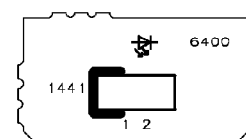
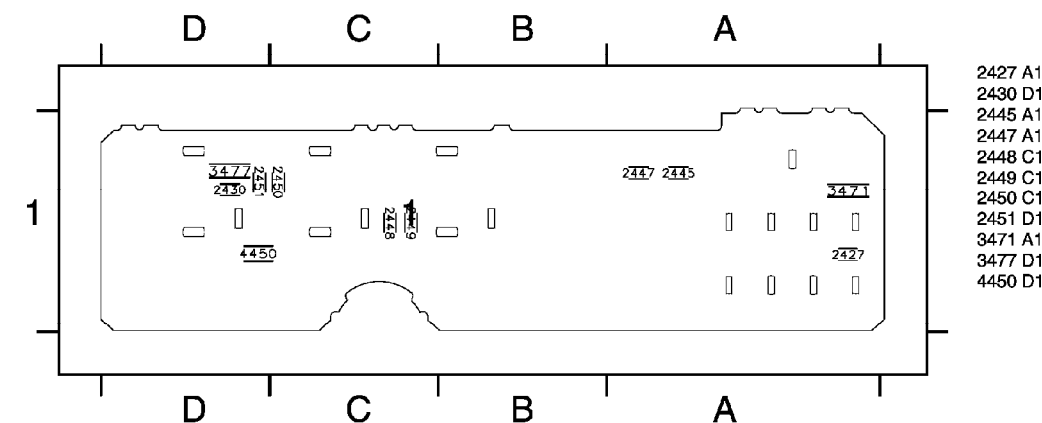
- Power Transformer (1251):** Provides the main AC input (61V~) and secondary voltages (4.6V~, 21V~).
- Rectification and Filtering:** A bridge rectifier (6251 D5SBA20) converts AC to DC. Large electrolytic capacitors (2251, 2254, 2259, 2260, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2768, 2769, 2770, 2771, 2772, 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 2789, 2790, 2791, 2792, 2793, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 292

LEU0170
0002



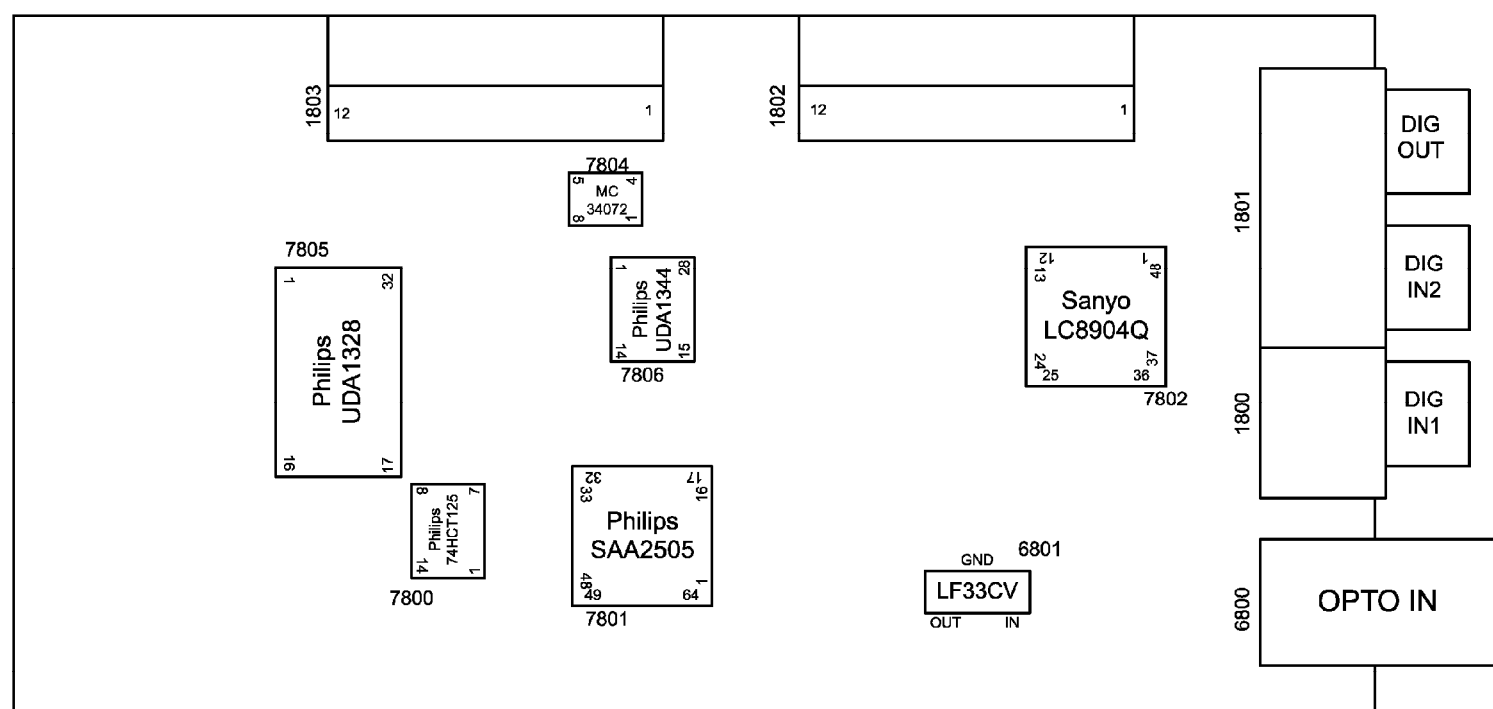
This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram respectively partslist.



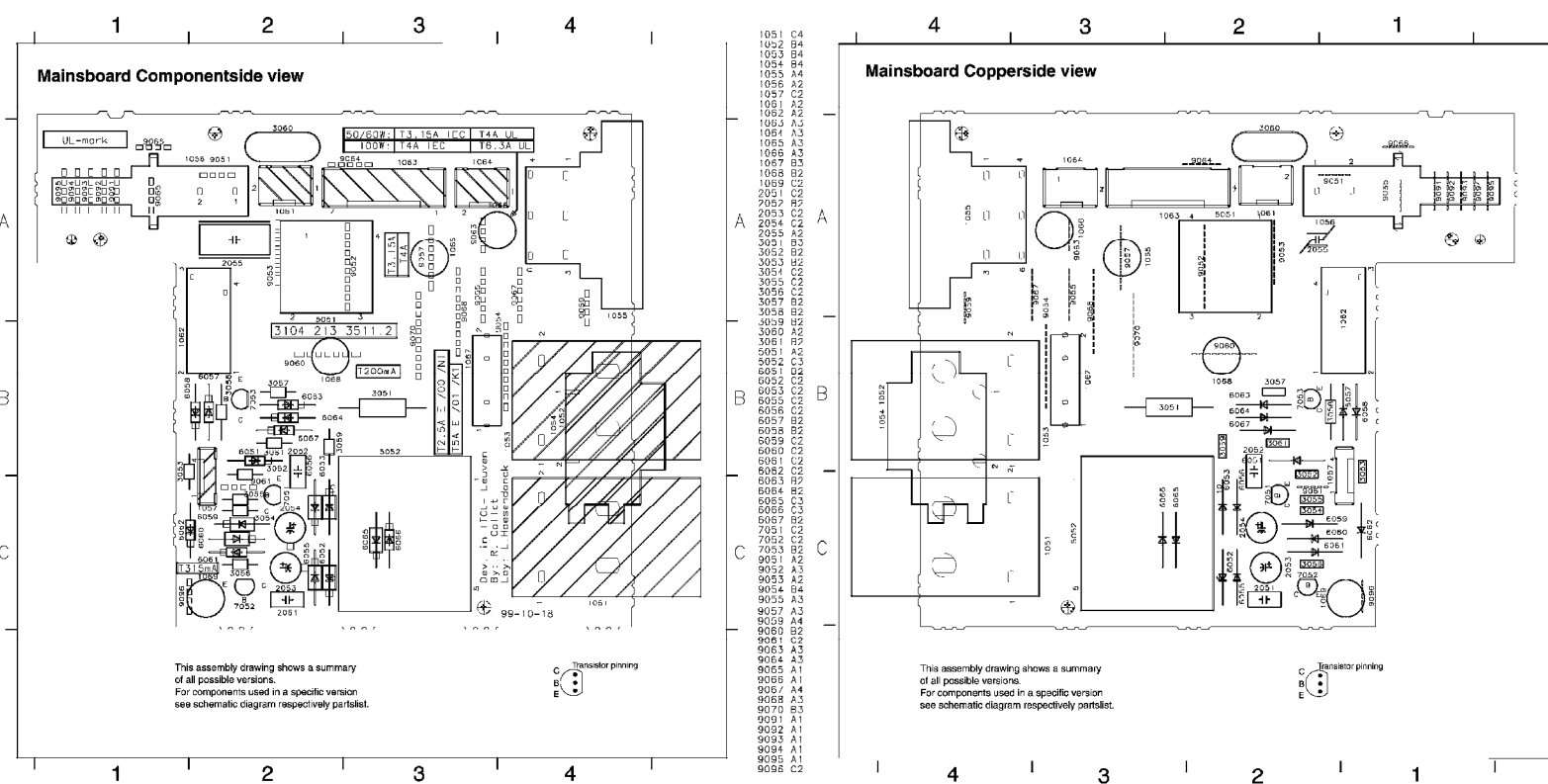
HEADPHONE BOARD - COMPONENT VIEW**LED BOARD - COMPONENT VIEW****HEADPHONE BOARD - COPPER SIDE VIEW**

1003	3104 217 05750	MDM Module
1800	4822 267 31729	Connector
1801	4822 267 31448	Connector
6800	4822 218 11487	GP1F32R
6801	4822 209 16978	LF33CV

Note: Only the parts mentioned in this list are normal service parts.

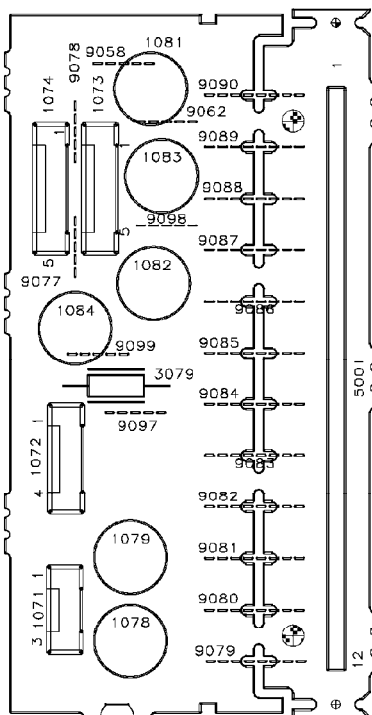


MAINS BOARD - COMPONENTSIDE VIEW & COPPERSIDE VIEW

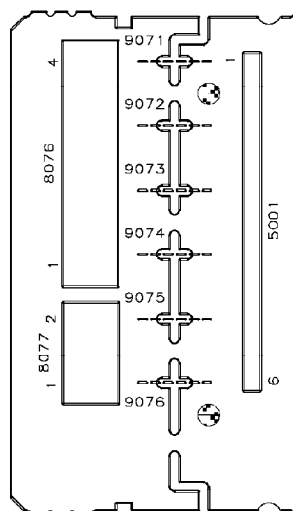


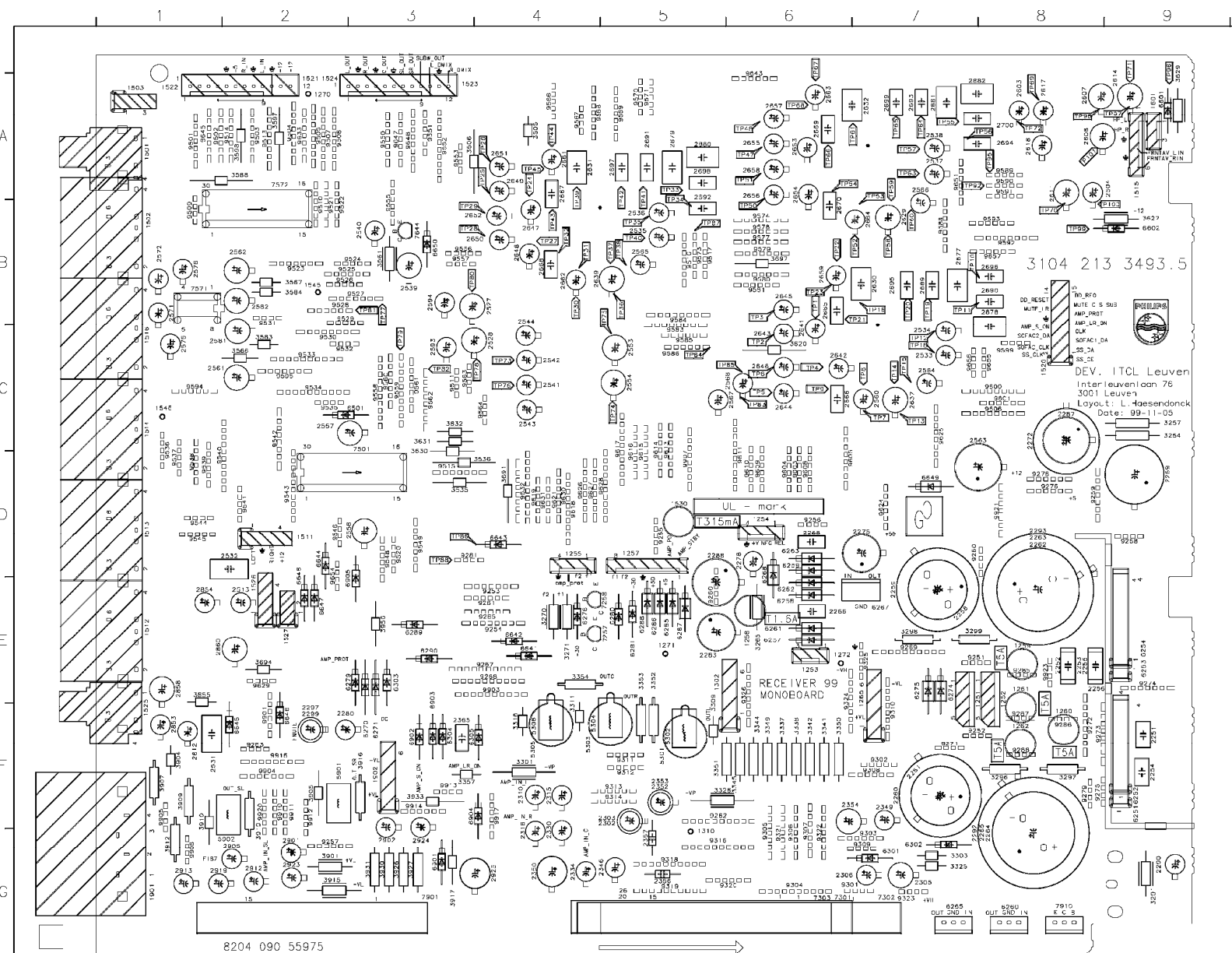
Copperside view

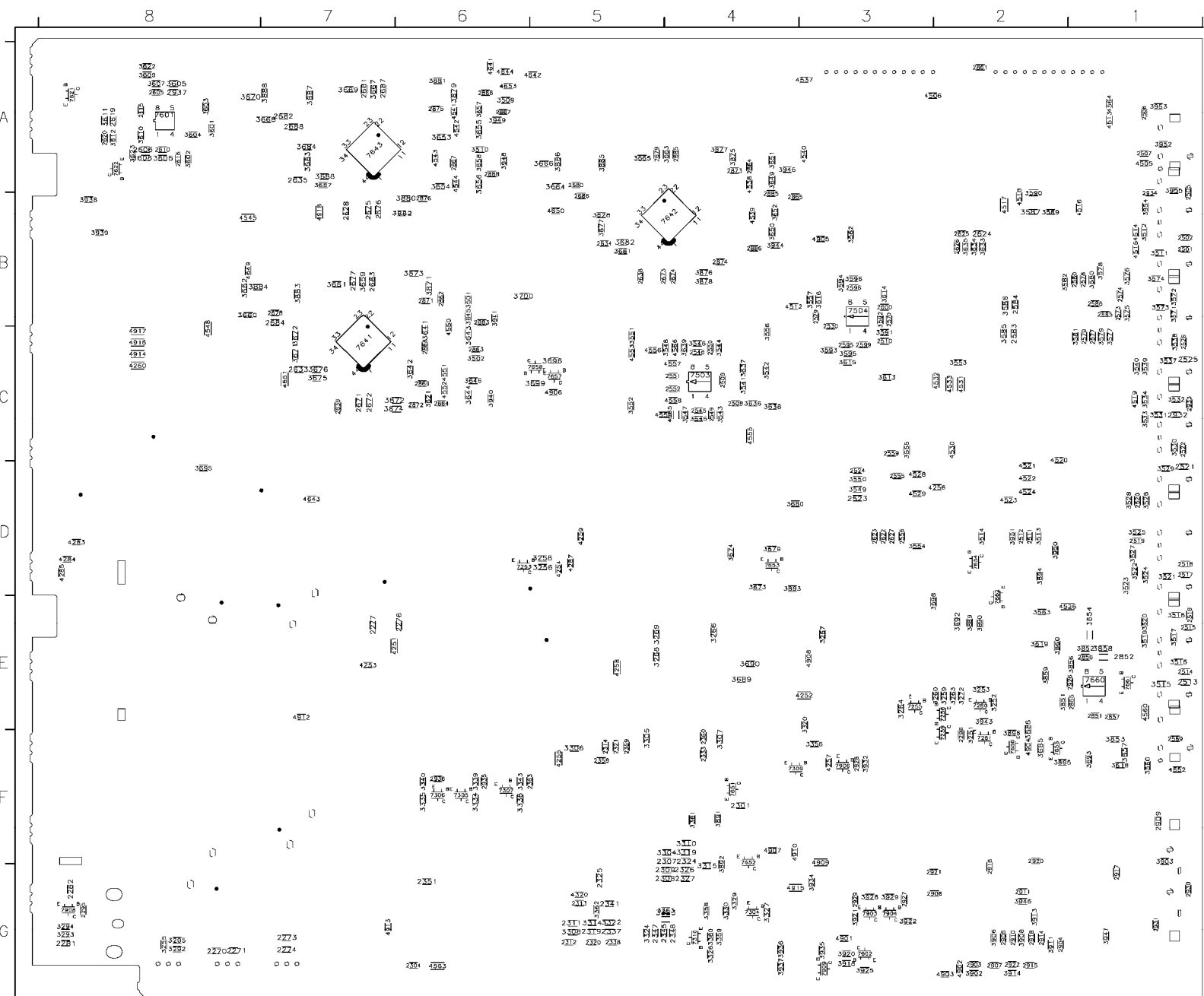
Interconnection Board
Transformer secondary

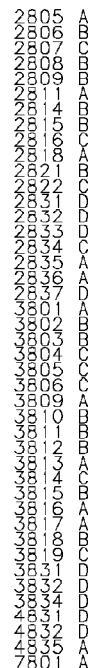


Interconnection Board
Transformer primary

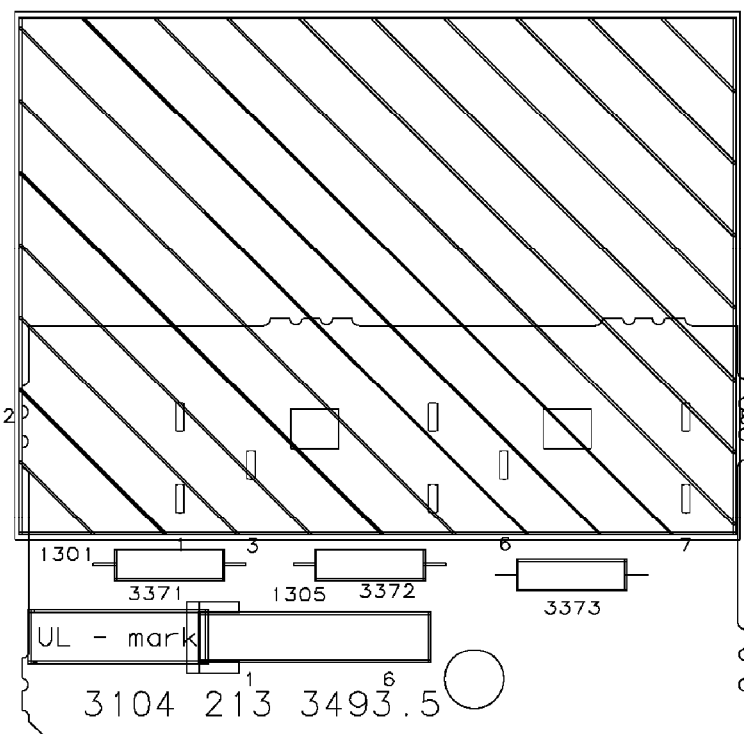




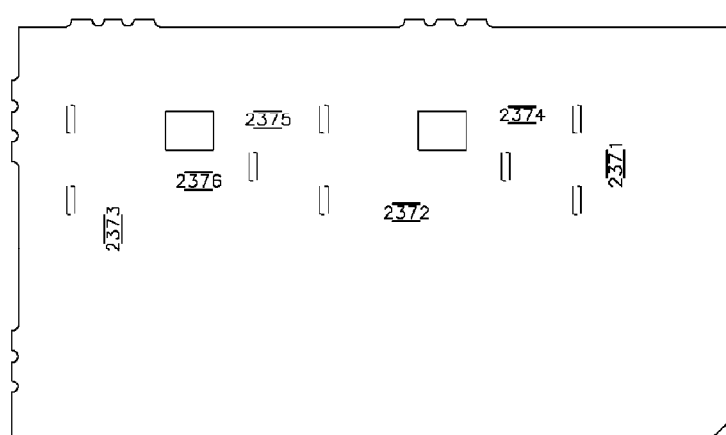


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CLICK FIT SPEAKER BOARD COMPONENT VIEW



CLICK FIT SPEAKER BOARD COPPER SIDE VIEW



Philips Consumer Electronics

Technical Service Data

Service and Quality
Service Publications Dept.
One Philips Drive
P.O. Box 14810
Knoxville, TN 37914

Manual 1962

Model no.: FR965DHT
First Publish: 02-01-2001
Rev. Date: 01-31-2002
Print Date: 30-05-2005

Parts List

REFER TO SAFETY GUIDELINES

SAFETY NOTICE: ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

FRONT DISPLAY BOARD PARTS LIST

FRONT DISPLAY BOARD PARTS LIST				FRONT DISPLAY BOARD PARTS LIST			
MISCELLANEOUS				MISCELLANEOUS			
1403	Crystal, 8MHz.	4822	242 72066	3401	10K, 1%, 0.6W.	4822	050 21003
1404	SWITCH,-PUSH BUTTON.	4822	276 13114	3402	10K, 1%, 0.6W.	4822	050 21003
1405	SWITCH,-PUSH BUTTON.	4822	276 13114	3403	6K8, 1%, 0.1W.	4822	117 11507
1406	SWITCH,-PUSH BUTTON.	4822	276 13114	3404	330 Ohm, 5%, 0.5W.	4822	116 52219
1407	SWITCH,-PUSH BUTTON.	4822	276 13114	3405	22K, 5%, 0.5W.	4822	116 52257
1408	SWITCH,-PUSH BUTTON.	4822	276 13114	3406	10K, 1%, 0.6W.	4822	050 21003
1409	SWITCH,-PUSH BUTTON.	4822	276 13114	3407	10K, 1%, 0.6W.	4822	050 21003
1410	Connector, 15FE-BT-VK-N.	4822	265 10981	3408	10K, 1%, 0.6W.	4822	050 21003
1411	SWITCH,-PUSH BUTTON.	4822	276 13114	3409	1K, 2%, 0.25W.	4822	051 10102
1412	SWITCH,-PUSH BUTTON.	4822	276 13114	3414	1K, 2%, 0.25W.	4822	051 10102
1413	SWITCH,-PUSH BUTTON.	4822	276 13114	3415	0 Ohm, Jumper, (0805).	4822	051 20008
1414	SWITCH,-PUSH BUTTON.	4822	276 13114	3417	10K, 1%, 0.1W.	4822	117 10833
1415	SWITCH,-PUSH BUTTON.	4822	276 13114	3418	10K, 1%, 0.1W.	4822	117 10833
1416	SWITCH,-PUSH BUTTON.	4822	276 13114	3419	10K, 1%, 0.1W.	4822	117 10833
1417	SWITCH,-PUSH BUTTON.	4822	276 13114	3420	10K, 1%, 0.1W.	4822	117 10833
1418	SWITCH,-PUSH BUTTON.	4822	276 13114	3421	10K, 1%, 0.1W.	4822	117 10833
1419	SWITCH,-PUSH BUTTON.	4822	276 13114	3424	1K, 1%, 0.4W.	4822	050 11002
1421	SWITCH, ROTARY	4822	273 10372	3426	1K, 1%, 0.4W.	4822	050 11002
1422	SWITCH, ROTARY	4822	273 10372	3427	150 Ohm, 5%, 0.5W.	4822	116 83868
1423	ROTARY ENCODER 24P.	4822	273 10365	3428	22K, 5%, 0.1W.	4822	051 20273
1424	1P YKB21-5209.	4822	265 11584 S	3429	22K, 5%, 0.1W.	4822	051 20223
CAPACITORS				3430	22K, 5%, 0.1W.	4822	051 20223
2400	100uF., 20%, 10V.	4822	124 41584	3431	10K, 1%, 0.1W.	4822	117 10833
2404	1nF., 10%, X7R, 63V.	5322	122 31647	3432	4.7 Ohm, 5%, 0.33W.	4822	052 10478
2405	22nF., 10%, X7R, 63V.	5322	122 32654	3433	10K, 1%, 0.1W.	4822	117 10833
2411	220pF., 5%, NP0, 63V.	4822	122 33575	3434	22K, 5%, 0.1W.	4822	051 20223
2412	47uF., 20%, 50V.	4822	124 41751	3435	22K, 5%, 0.5W.	4822	116 52257
2413	22nF., 10%, X7R, 63V.	5322	122 32654	3436	22K, 5%, 0.5W.	4822	116 52257
2414	22nF., 10%, X7R, 63V.	5322	122 32654	3437	100K, 1%, 0.1W.	4822	117 10837
2415	22pF., 5%, 50V.	5322	122 32658	3438	220K 1%, 0.1W, RC12H.	4822	117 13579
2416	22pF., 5%, 50V.	5322	122 32658	3439	10K, 1%, 0.1W.	4822	117 10833
2417	22nF., 10%, X7R, 63V.	5322	122 32654	3440	47 Ohm, 5%, 0.1W.	4822	051 20479
2419	22nF., 10%, X7R, 63V.	5322	122 32654	3441	82K, 1%, 0.1W.	4822	117 11149
2420	100uF., 20%, 10V.	4822	124 23432	3442	100K, 1%, 0.1W.	4822	117 10837
2421	22nF., 10%, X7R, 63V.	5322	122 32654	3443	330 Ohm, 5%, 0.5W.	4822	116 52219
2422	22nF., 10%, X7R, 63V.	5322	122 32654	3444	330 Ohm, 5%, 0.5W.	4822	116 52219
2423	22nF., 10%, X7R, 63V.	5322	122 32654	3445	330 Ohm, 1%, RC12H, 1.25W.	4822	117 13577
2424	22nF., 10%, X7R, 63V.	5322	122 32654	3446	330 Ohm, 1%, RC12H, 1.25W.	4822	117 13577
2425	22nF., 10%, X7R, 63V.	5322	122 32654	3447	330 Ohm, 5%, 0.5W.	4822	116 52219
2426	22nF., 10%, X7R, 63V.	5322	122 32654	3448	330 Ohm, 5%, 0.5W.	4822	116 52219
2427	1nF., 10%, X7R, 63V.	5322	122 31647	3449	100K, 1%, 0.1W.	4822	117 10837
2428	4.7uF., 20%, 100V.	4822	124 40769	3451	10K, 1%, 0.1W.	4822	117 10833
2429	47uF., 20%, 50V.	4822	124 41751	3452	330 Ohm, 5%, 0.5W.	4822	116 52219
2431	100pF., 5%, NP0, 50V.	5322	122 32531	3453	330 Ohm, 5%, 0.5W.	4822	116 52219
2432	100pF., 5%, NP0, 50V.	5322	122 32531	3455	22K, 5%, 0.1W.	4822	051 20223
2433	100pF., 5%, NP0, 50V.	5322	122 32531	3457	330 Ohm, 5%, 0.5W.	4822	116 52219
2434	220nF., +80/-20%, 25V.	4822	126 14076	3459	10K, 1%, 0.1W.	4822	117 10833
2435	220pF., 5%, NP0, 63V.	4822	122 33575	3460	10K, 1%, 0.1W.	4822	117 10833
2436	220pF., 5%, NP0, 63V.	4822	122 33575	3461	10K, 1%, 0.1W.	4822	117 10833
2437	220pF., 5%, NP0, 63V.	4822	122 33575	3462	10K, 1%, 0.1W.	4822	117 10833
2438	220pF., 5%, NP0, 63V.	4822	122 33575	3463	10K, 1%, 0.1W.	4822	117 10833
2439	220pF., 5%, NP0, 63V.	4822	122 33575	3464	10K, 1%, 0.1W.	4822	117 10833
2440	220pF., 5%, NP0, 63V.	4822	122 33575	3465	220 Ohm, 1%, 0.1W.	4822	117 11503
2441	220pF., 5%, NP0, 63V.	4822	122 33575	3466	220 Ohm, 1%, 0.1W.	4822	117 11503
2444	22nF., 10%, X7R, 63V.	5322	122 32654	3467	220 Ohm, 1%, 0.1W.	4822	117 11503
2445	4.7nF., 10%, X7R, 63V.	5322	126 10223	3468	220 Ohm, 1%, 0.1W.	4822	117 11503
2447	4.7nF., 10%, X7R, 63V.	5322	126 10223	3469	220 Ohm, 1%, 0.1W.	4822	117 11503
2454	22nF., 10%, X7R, 63V.	5322	122 32654	3470	220 Ohm, 1%, 0.1W.	4822	117 11503
2455	47uF., 20%, 50V.	4822	124 41751	3471	1K, 2%, 0.25W.	4822	051 10102
2456	47uF., 20%, 25V.	4822	124 40433	3472	1K, 2%, 0.25W.	4822	051 10102
2457	22nF., 10%, X7R, 63V.	5322	122 32654	3473	0 Ohm, Jumper, (0805).	4822	051 20008
2458	22nF., 10%, X7R, 63V.	5322	122 32654	3474	0 Ohm, Jumper, (0805).	4822	051 20008
2459	22nF., 10%, X7R, 63V.	5322	122 32654	3475	100K, 1%, 0.1W.	4822	117 10837
2460	22nF., 10%, X7R, 63V.	5322	122 32654	3478	100K, 1%, 0.1W.	4822	117 10837
2461	22nF., 10%, X7R, 63V.	5322	122 32654	3479	1K, 2%, 0.25W.	4822	051 10102
2462	1nF., 10%, X7R, 63V.	5322	122 31647	3480	100K, 1%, 0.1W.	4822	117 10837
2463	100pF., 5%, NP0, 50V.	5322	122 32531	3481	1K, 2%, 0.25W.	4822	051 10102
2464	100pF., 5%, NP0, 50V.	5322	122 32531	3482	100K, 1%, 0.1W.	4822	117 10837
2465	100pF., 5%, NP0, 50V.	5322	122 32531	3483	100K, 1%, 0.1W.	4822	117 10837
2466	100pF., 5%, NP0, 50V.	5322	122 32531	3484	1K, 2%, 0.25W.	4822	051 10102
2467	100pF., 5%, NP0, 50V.	5322	122 32531	3485	0 Ohm, Jumper, (0805).	4822	051 20008
2468	100pF., 5%, NP0, 50V.	5322	122 32531	3491	100K, 1%, 0.1W.	4822	117 10837
2469	100pF., 5%, NP0, 50V.	5322	122 32531	3493	470 Ohm, 5%, 0.1W.	4822	051 20471
2470	100pF., 5%, NP0, 50V.	5322	122 32531	3494	470 Ohm, 5%, 0.1W.	4822	051 20471
2471	100pF., 5%, NP0, 50V.	5322	122 32531	3495	470 Ohm, 5%, 0.1W.	4822	051 20471
2472	100pF., 5%, NP0, 50V.	5322	122 32531	3496	470 Ohm, 5%, 0.1W.	4822	051 20471
2473	100pF., 5%, NP0, 50V.	5322	122 32531	3497	470 Ohm, 5%, 0.1W.	4822	051 20471
2474	100pF., 5%, NP0, 50V.	5322	122 32531	3498	470 Ohm, 5%, 0.1W.	4822	051 20471
2475	100pF., 5%, NP0, 50V.	5322	122 32531	3499	470 Ohm, 5%, 0.1W.	4822	051 20471
2476	100pF., 5%, NP0, 50V.	5322	122 32531	3500	470 Ohm, 5%, 0.1W.	4822	051 20471
2477	100pF., 5%, NP0, 50V.	5322	122 32531	3501	470 Ohm, 5%, 0.1W.	4822	051 20471
2478	100pF., 5%, NP0, 50V.	5322	122 32531	3502	1K, 2%, 0.25W.	4822	051 10102
RESISTORS				3751	33K, 5%, 0.1W.	4822	051 20333
3391	1K, 2%, 0.25W.	4822	051 10102	3752	33K, 5%, 0.1W.	4822	051 20333
3392	22K, 5%, 0.1W.	4822	051 20223	3753	33K, 5%, 0.1W.	4822	051 20333
3393	22K, 5%, 0.1W.	4822	051 20223	3754	33K, 5%, 0.1W.	4822	051 20333
3394	22K, 5%, 0.1W.	4822	051 20223	3755	33K, 5%, 0.1W.	4822	051 20333
3395	0 Ohm, Jumper, (0805).	4822	051 20008	3756	33K, 5%, 0.1W.	4822	051 20333
3400	47R, 5%, 0.1W.	4822	051 20479	3757	33K, 5%, 0.1W.	4822	051 20333
				3758	33K, 5%, 0.1W.	4822	051 20333
				3759	33K, 5%, 0.1W.	4822	051 20333
				3760	33K, 5%, 0.1W.	4822	051 20333

S = Safety Part Be sure to use exact replacement part.

S = Safety Part Be sure to use exact replacement part.

S = Safety Part Be sure to use exact replacement part.

2532	220nF., 5%, 63V.	4822 121 42408	2639	47uF., 20%, 50V.	4822 124 41751
2533	22uF., 50V	4822 124 81151	2641	1uF., 20%, 63V	4822 124 21913
2534	22uF., 50V	4822 124 81151	2642	1uF., 20%, 63V	4822 124 21913
2535	22uF., 50V	4822 124 81151	2643	1uF., 20%, 63V	4822 124 21913
2536	22uF., 50V	4822 124 81151	2644	1uF., 20%, 63V	4822 124 21913
2537	22uF., 50V	4822 124 81151	2645	1uF., 20%, 63V	4822 124 21913
2538	22uF., 50V	4822 124 81151	2646	1uF., 20%, 63V	4822 124 21913
2539	100uF., 20%, 25V	4822 124 40207	2647	1uF., 20%, 63V	4822 124 21913
2540	47uF., 20%, 25V.	4822 124 40433	2648	1uF., 20%, 63V	4822 124 21913
2541	10uF., 20%, 63V.	4822 124 40248	2649	1uF., 20%, 63V	4822 124 21913
2542	10uF., 20%, 63V.	4822 124 40248	2650	1uF., 20%, 63V	4822 124 21913
2543	220uF., 20%, 6.3V.	4822 124 11912	2651	1uF., 20%, 63V	4822 124 21913
2544	220uF., 20%, 6.3V.	4822 124 11912	2652	1uF., 20%, 63V	4822 124 21913
2545	100pF., 5%, NP0, 50V	5322 122 32531	2655	1uF., 20%, 63V	4822 124 21913
2546	100pF., 5%, NP0, 50V	5322 122 32531	2656	1uF., 20%, 63V	4822 124 21913
2549	22pF., 5%, 50V	5322 122 32658	2657	1uF., 20%, 63V	4822 124 21913
2550	22pF., 5%, 50V	5322 122 32658	2658	1uF., 20%, 63V	4822 124 21913
2551	100nF., Y5V 50V, +80-20%	4822 126 13838	2659	2.2uF., 20%, 50V	4822 124 22652
2552	100nF., Y5V 50V, +80-20%	4822 126 13838	2660	2.2uF., 20%, 50V	4822 124 22652
2553	47uF., 20%, 50V.	4822 124 41751	2661	2.2uF., 20%, 50V	4822 124 22652
2554	47uF., 20%, 50V.	4822 124 41751	2662	2.2uF., 20%, 50V	4822 124 22652
2555	100nF., Y5V 50V, +80-20%	4822 126 13838	2663	2.2uF., 20%, 50V	4822 124 22652
2556	100nF., Y5V 50V, +80-20%	4822 126 13838	2664	2.2uF., 20%, 50V	4822 124 22652
2557	47uF., 20%, 50V.	4822 124 41751	2665	47nF., 5%, 250V.	4822 121 43526
2558	47uF., 20%, 50V.	4822 124 41751	2666	47nF., 5%, 250V.	4822 121 43526
2559	33nF., 5%, 50V, X7R.	4822 126 12105	2667	47nF., 5%, 250V.	4822 121 43526
2561	22uF., 100V.	4822 124 40764	2668	47nF., 5%, 250V.	4822 121 43526
2562	22uF., 100V.	4822 124 40764	2669	47nF., 5%, 250V.	4822 121 43526
2563	2200uF., 16V, 20%.	4822 123 14025	2670	47nF., 5%, 250V.	4822 121 43526
2564	2.2uF., 20%, 50V	4822 124 22652	2671	6.8nF., 10%, X7R, 63V.	5322 122 31866
2565	2.2uF., 20%, 50V	4822 124 22652	2672	6.8nF., 10%, X7R, 63V.	5322 122 31866
2566	2.2uF., 20%, 50V	4822 124 22652	2673	6.8nF., 10%, X7R, 63V.	5322 122 31866
2567	4.7uF., 20%, 100V.	4822 124 40769	2674	6.8nF., 10%, X7R, 63V.	5322 122 31866
2568	4.7uF., 20%, 100V.	4822 124 40769	2675	6.8nF., 10%, X7R, 63V.	5322 122 31866
2569	100pF., 5%, NP0, 50V	5322 122 32531	2676	6.8nF., 10%, X7R, 63V.	5322 122 31866
2570	100pF., 5%, NP0, 50V	5322 122 32531	2677	22nF., 10%, X7R, 63V	5322 122 32654
2571	10uF., 20%, 63V.	4822 124 40248	2678	22nF., 10%, X7R, 63V	5322 122 32654
2572	10uF., 20%, 63V.	4822 124 40248	2679	22nF., 10%, X7R, 63V	5322 122 32654
2573	220pF., 5%, NP0, 63V	4822 122 33575	2680	22nF., 10%, X7R, 63V	5322 122 32654
2574	220pF., 5%, NP0, 63V	4822 122 33575	2681	22nF., 10%, X7R, 63V	5322 122 32654
2575	10uF., 20%, 63V.	4822 124 40248	2682	22nF., 10%, X7R, 63V	5322 122 32654
2576	10uF., 20%, 63V.	4822 124 40248	2683	22nF., 10%, X7R, 63V	5322 122 32654
2577	10nF., 20%, X7R, 50V	4822 122 33177	2684	22nF., 10%, X7R, 63V	5322 122 32654
2578	10nF., 20%, X7R, 50V	4822 122 33177	2685	22nF., 10%, X7R, 63V	5322 122 32654
2579	2.2nF., 10%, X7R, 63V.	4822 122 33127	2686	22nF., 10%, X7R, 63V	5322 122 32654
2580	2.2nF., 10%, X7R, 63V.	4822 122 33127	2687	22nF., 10%, X7R, 63V	5322 122 32654
2581	47uF., 20%, 50V.	4822 124 41751	2688	22nF., 10%, X7R, 63V	5322 122 32654
2582	47uF., 20%, 50V.	4822 124 41751	2689	68nF., 5%, 63V	5322 121 42465
2583	3.3nF., 10%, X7R, 63V.	4822 122 33891	2690	68nF., 5%, 63V	5322 121 42465
2584	3.3nF., 10%, X7R, 63V.	4822 122 33891	2691	68nF., 5%, 63V	5322 121 42465
2585	82pF., 1%, NP0, 63V.	4822 126 13695	2692	68nF., 5%, 63V	5322 121 42465
2586	82pF., 1%, NP0, 63V.	4822 126 13695	2693	68nF., 5%, 63V	5322 121 42465
2593	22uF., 50V	4822 124 81151	2694	68nF., 5%, 63V	5322 121 42465
2594	22uF., 50V	4822 124 81151	2695	68nF., 5%, 63V	5322 121 42465
2595	100pF., 5%, NP0, 50V	5322 122 32531	2696	68nF., 5%, 63V	5322 121 42465
2596	100pF., 5%, NP0, 50V	5322 122 32531	2697	68nF., 5%, 63V	5322 121 42465
2599	22pF., 5%, 50V	5322 122 32658	2698	68nF., 5%, 63V	5322 121 42465
2600	22pF., 5%, 50V	5322 122 32658	2699	68nF., 5%, 63V	5322 121 42465
2603	22uF., 50V	4822 124 81151	2700	68nF., 5%, 63V	5322 121 42465
2604	22uF., 50V	4822 124 81151	2801	10uF., 50V	4822 124 22833
2605	47pF., 1%, NP0, 63V.	4822 126 13692	2802	10uF., 50V	4822 124 22833
2606	47pF., 1%, NP0, 63V.	4822 126 13692	2803	10uF., 50V	4822 124 22833
2607	47uF., 20%, 50V.	4822 124 41751	2804	10uF., 50V	4822 124 22833
2608	47uF., 20%, 50V.	4822 124 41751	2805	100nF., 10%, X7R, 50V.	4822 126 14585
2610	220pF., 5%, NP0, 63V	4822 122 33575	2806	100nF., 10%, X7R, 50V.	4822 126 14585
2611	100uF., 20%, 25V	4822 124 40207	2807	100nF., 10%, X7R, 50V.	4822 126 14585
2612	10uF., 20%, 63V.	4822 124 40248	2809	10nF., 10%, X7R, 63V	5322 122 34098
2613	10uF., 20%, 63V.	4822 124 40248	2810	220uF., 10V.	4822 124 12245
2614	100uF., 20%, 25V	4822 124 40207	2811	10nF., 10%, X7R, 63V	5322 122 34098
2615	22nF., 10%, X7R, 63V	5322 122 32654	2812	220uF., 20%, 25V	4822 124 80144
2616	22nF., 10%, X7R, 63V	5322 122 32654	2813	1uF., 20%, 63V	4822 124 21913
2617	10uF., 20%, 63V.	4822 124 40248	2814	47pF., 1%, NP0, 63V.	4822 126 13692
2618	10uF., 20%, 63V.	4822 124 40248	2815	100nF., 10%, X7R, 50V.	4822 126 14585
2619	100pF., 5%, NP0, 50V	5322 122 32531	2816	22nF., 10%, X7R, 63V	5322 122 32654
2620	100pF., 5%, NP0, 50V	5322 122 32531	2817	1uF., 20%, 63V	4822 124 21913
2622	100pF., 5%, NP0, 50V	5322 122 32531	2818	22nF., 10%, X7R, 63V	5322 122 32654
2623	100pF., 5%, NP0, 50V	5322 122 32531	2821	22nF., 10%, X7R, 63V	5322 122 32654
2624	100pF., 5%, NP0, 50V	5322 122 32531	2822	22nF., 10%, X7R, 63V	5322 122 32654
2625	100pF., 5%, NP0, 50V	5322 122 32531	2831	100pF., 5%, NP0, 50V	5322 122 32531
2626	100pF., 5%, NP0, 50V	5322 122 32531	2832	100nF., 10%, X7R, 50V.	4822 126 14585
2627	100pF., 5%, NP0, 50V	5322 122 32531	2833	22nF., 10%, X7R, 63V	5322 122 32654
2628	100nF., 10%, X7R, 50V.	4822 126 14585	2834	100pF., 5%, NP0, 50V	5322 122 32531
2629	47uF., 20%, 50V.	4822 124 41751	2835	100pF., 5%, NP0, 50V	5322 122 32531
2630	100nF., 5%, 63V.	5322 121 42386	2836	100pF., 5%, NP0, 50V	5322 122 32531
2631	100nF., 5%, 63V.	5322 121 42386	2837	100pF., 5%, NP0, 50V	5322 122 32531
2632	100nF., 5%, 63V.	5322 121 42386	2851	22pF., 5%, 50V	5322 122 32658
2633	22nF., 10%, X7R, 63V	5322 122 32654	2852	22pF., 5%, 50V	5322 122 32658
2634	22nF., 10%, X7R, 63V	5322 122 32654	2853	22uF., 50V	4822 124 81151
2635	22nF., 10%, X7R, 63V	5322 122 32654	2854	22uF., 50V	4822 124 81151
2636	100nF., 10%, X7R, 50V.	4822 126 14585	2855	100pF., 5%, NP0, 50V	5322 122 32531
2637	47uF., 20%, 50V.	4822 124 41751	2856	100pF., 5%, NP0, 50V	5322 122 32531
2638	100nF., 10%, X7R, 50V.	4822 126 14585	2857	100nF., 10%, X7R, 50V.	4822 126 14585

S = Safety Part Be sure to use exact replacement part.

2858	47uF., 20%, 50V.	4822 124 41751	3315	1.8K, 5%, 0.1W	4822 051 20182
2860	47uF., 20%, 50V.	4822 124 41751	3316	4.7 Ohm, 1%, 0.6W.	4822 050 24708
2861	22nF., 10%, X7R, 63V	5322 122 32654	3319	56K, 1%, 0.1W.	4822 117 11148
2862	100pF., 5%, NP0, 50V	5322 122 32531	3322	56K, 1%, 0.1W.	4822 117 11148
2863	100pF., 5%, NP0, 50V	5322 122 32531	S 3323	1.8K, 5%, 0.1W	4822 051 20182
2864	100pF., 5%, NP0, 50V	5322 122 32531	3324	56K, 1%, 0.1W.	4822 117 11148
2865	100pF., 5%, NP0, 50V	5322 122 32531	3326	33K, 5%, 0.1W.	4822 051 20333
2866	100pF., 5%, NP0, 50V	5322 122 32531	3327	220 Ohm, 1%, 0.1W.	4822 117 11503
2867	100pF., 5%, NP0, 50V	5322 122 32531	S 3328	47 Ohm, 5%, 0.33W.	4822 052 10479
2868	220pF., 5%, NP0, 63V	4822 122 33575	3329	100K, 1%, 0.1W	4822 117 10837
2869	220pF., 5%, NP0, 63V	4822 122 33575	3330	10K, 1%, 0.1W.	4822 117 10833
2871	10nF., 20%, X7R, 50V	4822 122 33177	3334	1K, 2%, 0.25W.	4822 051 10102
2872	10nF., 20%, X7R, 50V	4822 122 33177	3335	1K, 2%, 0.25W.	4822 051 10102
2873	10nF., 20%, X7R, 50V	4822 122 33177	3336	1K, 2%, 0.25W.	4822 051 10102
2875	10nF., 20%, X7R, 50V	4822 122 33177	S 3337	0.22 Ohm, 5%, 1W	4822 117 11744
2876	10nF., 20%, X7R, 50V	4822 122 33177	S 3338	0.22 Ohm, 5%, 1W	4822 117 11744
2877	100nF., 5%, 63V.	5322 121 42386	3339	1.5K, 1%, 0.1W	4822 117 11139
2878	100nF., 5%, 63V.	5322 121 42386	3340	1.5K, 1%, 0.1W.	4822 117 11139
2879	100nF., 5%, 63V.	5322 121 42386	S 3341	0.22 Ohm, 5%, 1W	4822 117 11744
2880	100nF., 5%, 63V.	5322 121 42386	S 3342	0.22 Ohm, 5%, 1W	4822 117 11744
2881	100nF., 5%, 63V.	5322 121 42386	3343	1.5K, 1%, 0.1W	4822 117 11139
2882	100nF., 5%, 63V.	5322 121 42386	S 3344	0.22 Ohm, 5%, 1W	4822 117 11744
2883	1nF., 5%, NP0, 50V	5322 126 10511	S 3345	0.22 Ohm, 5%, 1W	4822 117 11744
2884	1nF., 5%, NP0, 50V	5322 126 10511	S 3352	4.7 Ohm, 5%, 1W.	4822 053 10478
2885	1nF., 5%, NP0, 50V	5322 126 10511	S 3353	4.7 Ohm, 5%, 1W.	4822 053 10478
2886	1nF., 5%, NP0, 50V	5322 126 10511	S 3354	4.7 Ohm, 5%, 1W.	4822 053 10478
2887	2.2nF., 10%, X7R, 63V.	4822 122 33127	3356	47K, 1%, 0.1W.	4822 117 10834
2888	2.2nF., 10%, X7R, 63V.	4822 122 33127	3357	10K, 1%, 0.6W.	4822 050 21003
2901	22uF., 50V	4822 124 81151	3358	1K, 2%, 0.25W.	4822 051 10102
2902	10uF., 20%, 63V.	4822 124 40248	3359	100K, 1%, 0.1W	4822 117 10837
2903	4.7pF., 5%, NP0, 50V	5322 122 32287	3360	10K, 1%, 0.1W.	4822 117 10833
2904	47nF., 10%, X7R, 63V	4822 126 13751	3361	470 Ohm, 5%, 0.1W.	4822 051 20471
2905	10uF., 20%, 63V.	4822 124 40248	3362	470 Ohm, 5%, 0.1W.	4822 051 20471
2906	470pF., 10%, 50V	5322 122 32268	3363	470 Ohm, 5%, 0.1W.	4822 051 20471
2908	220nF., 80-20%, 50V.	4822 126 13473	3501	15K, 1%, 0.1W.	4822 116 83933
2909	4.7nF., 10%, X7R, 63V.	5322 126 10223	3502	15K, 1%, 0.1W.	4822 116 83933
2910	220pF., 5%, NP0, 63V	4822 122 33575	3505	15K, 5%, 0.5W.	4822 116 52244
2911	22nF., 10%, X7R, 63V	5322 122 32654	3506	15K, 5%, 0.5W.	4822 116 52244
2912	100uF., 20%, 10V	4822 124 41584	3509	15K, 1%, 0.1W.	4822 116 83933
2913	10uF., 20%, 63V.	4822 124 40248	3510	15K, 1%, 0.1W.	4822 116 83933
2914	470pF., 10%, 50V	5322 122 32268	3511	100 Ohm, 5%, 0.1W.	4822 051 20101
2916	220nF., 80-20%, 50V.	4822 126 13473	3512	100 Ohm, 5%, 0.1W.	4822 051 20101
2917	4.7nF., 10%, X7R, 63V.	5322 126 10223	3513	47K, 1%, 0.1W.	4822 117 10834
2918	220pF., 5%, NP0, 63V	4822 122 33575	3514	47K, 1%, 0.1W.	4822 117 10834
2919	100uF., 20%, 10V	4822 124 41584	3515	470 Ohm, 5%, 0.1W.	4822 051 20471
2920	220nF., 80-20%, 50V.	4822 126 13473	3516	470 Ohm, 5%, 0.1W.	4822 051 20471
2921	220nF., 80-20%, 50V.	4822 126 13473	3517	39K, 5%, 0.1W.	4822 051 20393
2922	4.7pF., 5%, NP0, 50V	5322 122 32287	3518	39K, 5%, 0.1W.	4822 051 20393
2923	22uF., 50V	4822 124 81151	3519	8.2K, 5%, 0.1W	4822 051 20822
2924	10uF., 20%, 63V.	4822 124 40248	3520	8.2K, 5%, 0.1W	4822 051 20822
2925	220uF., 20%, 10V	4822 124 40181	3521	39K, 5%, 0.1W.	4822 051 20393
2926	100nF., 10%, X7R, 50V.	4822 126 14585	3522	39K, 5%, 0.1W.	4822 051 20393
2930	100pF., 5%, NP0, 50V	5322 122 32531	3523	8.2K, 5%, 0.1W	4822 051 20822
2931	100pF., 5%, NP0, 50V	5322 122 32531	3524	8.2K, 5%, 0.1W	4822 051 20822
2932	100pF., 5%, NP0, 50V	5322 122 32531	3525	39K, 5%, 0.1W.	4822 051 20393
2933	100pF., 5%, NP0, 50V	5322 122 32531	3526	39K, 5%, 0.1W.	4822 051 20393
2934	1nF., 5%, NP0, 50V	5322 126 10511	3527	8.2K, 5%, 0.1W	4822 051 20822
2937	220pF., 5%, NP0, 63V	4822 122 33575	3528	8.2K, 5%, 0.1W	4822 051 20822
RESISTORS					
3251	470 Ohm, 5%, 0.1W.	4822 051 20471	3529	470 Ohm, 5%, 0.1W.	4822 051 20471
3252	100K, 1%, 0.1W	4822 117 10837	3530	470 Ohm, 5%, 0.1W.	4822 051 20471
3253	100K, 1%, 0.1W	4822 117 10837	3531	39K, 5%, 0.1W.	4822 051 20393
S 3254	0.33 Ohm, 5%, 2W	4822 117 11342	3532	39K, 5%, 0.1W.	4822 051 20393
3256	10K, 1%, 0.1W.	4822 117 10833	3533	8.2K, 5%, 0.1W	4822 051 20822
S 3257	0.33 Ohm, 5%, 2W	4822 117 11342	3534	8.2K, 5%, 0.1W	4822 051 20822
3258	82K, 1%, 0.1W.	4822 117 11149	3537	39K, 5%, 0.1W.	4822 051 20393
3259	680 Ohm, 1%, 0.1W.	4822 117 10361	3538	39K, 5%, 0.1W.	4822 051 20393
3260	47K, 1%, 0.1W.	4822 117 10834	3539	8.2K, 5%, 0.1W	4822 051 20822
3263	680 Ohm, 1%, 0.1W.	4822 117 10361	3540	8.2K, 5%, 0.1W	4822 051 20822
3264	100K, 1%, 0.1W	4822 117 10837	3541	39K, 5%, 0.1W.	4822 051 20393
3266	22K, 5%, 0.1W.	4822 051 20223	3542	39K, 5%, 0.1W.	4822 051 20393
3267	3.9K, 5%, 0.1W	4822 051 20392	3543	2.7K, 1%, 0.1W, 0805	4822 117 12955
3268	3.3K, 5%, 0.1W	4822 051 20332	3544	2.7K, 1%, 0.1W, 0805	4822 117 12955
3269	3.3K, 5%, 0.1W	4822 051 20332	3545	10K, 1%, 0.1W.	4822 117 10833
S 3270	47 Ohm, 5%, 0.33W.	4822 052 10479	3546	10K, 1%, 0.1W.	4822 117 10833
S 3271	47 Ohm, 5%, 0.33W.	4822 052 10479	3551	270 Ohm, 1%, 0.1W.	4822 117 11504
S 3272	39K, 5%, 0.1W.	4822 051 20393	3552	270 Ohm, 1%, 0.1W.	4822 117 11504
S 3291	10 Ohm, 5%, 0.33W.	4822 052 10109	3553	270 Ohm, 1%, 0.1W.	4822 117 11504
3292	15K, 1%, 0.1W.	4822 116 83933	3554	270 Ohm, 1%, 0.1W.	4822 117 11504
3293	10K, 1%, 0.1W.	4822 117 10833	3555	3.3K, 5%, 0.1W	4822 051 20332
3294	10K, 1%, 0.1W.	4822 117 10833	3556	270 Ohm, 1%, 0.1W.	4822 117 11504
3295	15K, 1%, 0.1W.	4822 116 83933	3557	270 Ohm, 1%, 0.1W.	4822 117 11504
S 3301	47 Ohm, 5%, 0.33W.	4822 052 10479	3560	1K, 2%, 0.25W.	4822 051 10102
3304	56K, 1%, 0.1W.	4822 117 11148	3561	4.7 Ohm, 5%, 0.33W	4822 052 10478
3305	47K, 1%, 0.1W.	4822 117 10834	3562	470 Ohm, 5%, 0.1W.	4822 051 20471
3306	47K, 1%, 0.1W.	4822 117 10834	3563	1K, 2%, 0.25W.	4822 051 10102
3307	47K, 1%, 0.1W.	4822 117 10834	3566	270 Ohm, 5%, 0.5W.	4822 116 83876
3308	56K, 1%, 0.1W.	4822 117 11148	3567	270 Ohm, 5%, 0.5W.	4822 116 83876
3309	4.7 Ohm, 1%, 0.6W.	4822 050 24708	3571	330K, 5%, 0.1W	4822 051 20334
3310	1.8K, 5%, 0.1W	4822 051 20182	3572	330K, 5%, 0.1W	4822 051 20334
3311	4.7 Ohm, 1%, 0.6W.	4822 050 24708	3573	1K, 2%, 0.25W.	4822 051 10102
3314	56K, 1%, 0.1W.	4822 117 11148	3574	1K, 2%, 0.25W.	4822 051 10102
			3575	56K, 1%, 0.1W.	4822 117 11148

S = Safety Part Be sure to use exact replacement part.

3576	56K, 1%, 0.1W.	4822	117	11148	3682	100 Ohm, 5%, 0.1W.	4822	051	20101
3577	560 Ohm, 5%, 0.1W.	4822	051	20561	3683	47K, 1%, 0.1W.	4822	117	10834
3578	560 Ohm, 5%, 0.1W.	4822	051	20561	3684	47K, 1%, 0.1W.	4822	117	10834
3579	390K, 5%, 0.1W.	4822	051	20394	3685	2.2K, 1%, 0.1W.	4822	117	11449
3580	390K, 5%, 0.1W.	4822	051	20394	3686	2.2K, 1%, 0.1W.	4822	117	11449
3581	27K, 5%, 0.1W.	4822	051	20273	3687	100 Ohm, 5%, 0.1W.	4822	051	20101
3582	27K, 5%, 0.1W.	4822	051	20273	3688	100 Ohm, 5%, 0.1W.	4822	051	20101
3583	10K, 1%, 0.1W.	4822	117	10833	3689	2.2K, 1%, 0.1W.	4822	117	11449
3584	10K, 1%, 0.1W.	4822	117	10833	3690	2.2K, 1%, 0.1W.	4822	117	11449
3585	1.5K, 1%, 0.1W.	4822	117	11139	3691	2.2K, 5%, 0.5W.	4822	116	52256
3586	1.5K, 1%, 0.1W.	4822	117	11139	3692	2.2K, 1%, 0.1W.	4822	117	11449
3587	3.9K, 5%, 0.1W.	4822	051	20392	3693	2.2K, 1%, 0.1W.	4822	117	11449
3588	3.9K, 5%, 0.5W.	4822	116	52276	3694	2.2K, 5%, 0.5W.	4822	116	52256
3589	10K, 1%, 0.1W.	4822	117	10833	3695	220K 1%, 0.1W, RC12H	4822	117	13579
3590	10K, 1%, 0.1W.	4822	117	10833	3696	10K, 1%, 0.1W.	4822	117	10833
3591	100K, 1%, 0.1W.	4822	117	10837	3697	22K, 5%, 0.5W.	4822	116	52257
3592	100K, 1%, 0.1W.	4822	117	10837	3698	220K 1%, 0.1W, RC12H	4822	117	13579
3593	4.7k, 5%, 0.1W.	4822	051	20472	3699	10K, 1%, 0.1W.	4822	117	10833
3594	4.7K, 5%, 0.1W.	4822	051	20472	3700	22K, 5%, 0.1W.	4822	051	20223
3595	4.7K, 5%, 0.1W.	4822	051	20472	3801	68 Ohm, 1%, 0.1W.	4822	117	12521
3596	4.7K, 5%, 0.1W.	4822	051	20472	3802	68 Ohm, 1%, 0.1W.	4822	117	12521
3597	5.6K, 5%, 0.5W.	4822	116	52289	3803	68 Ohm, 1%, 0.1W.	4822	117	12521
3598	5.6K, 5%, 0.5W.	4822	116	52289	3804	68 Ohm, 1%, 0.1W.	4822	117	12521
3601	100 Ohm, 5%, 0.1W.	4822	051	20101	3805	1K, 2%, 0.25W.	4822	051	10102
3602	100 Ohm, 5%, 0.1W.	4822	051	20101	3806	1K, 2%, 0.25W.	4822	051	10102
3603	100K, 1%, 0.1W.	4822	117	10837	3809	10 Ohm, 5%, 0.1W.	4822	051	20109
3604	100K, 1%, 0.1W.	4822	117	10837	3810	2.2K, 1%, 0.1W.	4822	117	11449
3605	12K, 1%, 0.1W.	4822	117	11383	3811	10 Ohm, 5%, 0.1W.	4822	051	20109
3606	12K, 1%, 0.1W.	4822	117	11383	3812	470 Ohm, 5%, 0.1W.	4822	051	20471
3607	33K, 5%, 0.1W.	4822	051	20333	3813	120 Ohm, 5%, 0.1W.	4822	051	20121
3608	33K, 5%, 0.1W.	4822	051	20333	3814	10 Ohm, 5%, 0.1W.	4822	051	20109
3609	120 Ohm, 5%, 0.1W.	4822	051	20121	3815	68 Ohm, 1%, 0.1W.	4822	117	12521
3610	120 Ohm, 5%, 0.1W.	4822	051	20121	3816	68 Ohm, 1%, 0.1W.	4822	117	12521
3611	47K, 1%, 0.1W.	4822	117	10834	3817	270 Ohm, 1%, 0.1W.	4822	117	11504
3612	47K, 1%, 0.1W.	4822	117	10834	3818	220 Ohm, 1%, 0.1W.	4822	117	11503
3613	470 Ohm, 5%, 0.1W.	4822	051	20471	3819	10 Ohm, 5%, 0.1W.	4822	051	20109
3614	470 Ohm, 5%, 0.1W.	4822	051	20471	3820	100 Ohm, 5%, 1W.	4822	053	10101
3615	470 Ohm, 5%, 0.1W.	4822	051	20471	3821	100 Ohm, 5%, 1W.	4822	053	10101
3616	470 Ohm, 5%, 0.1W.	4822	051	20471	3831	100 Ohm, 5%, 0.1W.	4822	051	20101
3618	47K, 1%, 0.1W.	4822	117	10834	3832	47 Ohm, 5%, 0.1W.	4822	051	20479
3619	47K, 1%, 0.1W.	4822	117	10834	3834	100 Ohm, 5%, 0.1W.	4822	051	20101
3620	100 Ohm, 5%, 0.5W.	4822	116	52175	3851	3.3K, 5%, 0.1W.	4822	051	20332
3621	100 Ohm, 5%, 0.1W.	4822	051	20101	3852	22K, 5%, 0.1W.	4822	051	20223
3622	120 Ohm, 5%, 0.1W.	4822	051	20121	3853	10K, 1%, 0.1W.	4822	117	10833
3623	120 Ohm, 5%, 0.1W.	4822	051	20121	3854	4.7K, 5%, 0.1W.	4822	051	20472
S 3627	10 Ohm, 5%, 0.33W.	4822	052	10109	3855	270 Ohm, 5%, 0.5W.	4822	116	83876
S 3629	10 Ohm, 5%, 0.33W.	4822	052	10109	3856	270 Ohm, 1%, 0.1W.	4822	117	11504
3630	1K, 1%, 0.4W.	4822	050	11002	3857	100K, 1%, 0.1W.	4822	117	10837
3631	1K, 1%, 0.4W.	4822	050	11002	3858	100K, 1%, 0.1W.	4822	117	10837
3632	1K, 1%, 0.4W.	4822	050	11002	3859	10K, 1%, 0.1W.	4822	117	10833
3633	1K, 2%, 0.25W.	4822	051	10102	3860	10K, 1%, 0.1W.	4822	117	10833
3634	1K, 2%, 0.25W.	4822	051	10102	3871	3.3K, 5%, 0.1W.	4822	051	20332
3635	1K, 2%, 0.25W.	4822	051	10102	3872	3.3K, 5%, 0.1W.	4822	051	20332
3636	470 Ohm, 5%, 0.1W.	4822	051	20471	3873	1K, 2%, 0.25W.	4822	051	10102
3637	470 Ohm, 5%, 0.1W.	4822	051	20471	3874	1K, 2%, 0.25W.	4822	051	10102
3641	100K, 1%, 0.1W.	4822	117	10837	3875	3.3K, 5%, 0.1W.	4822	051	20332
3642	100K, 1%, 0.1W.	4822	117	10837	3877	1K, 2%, 0.25W.	4822	051	10102
3643	100K, 1%, 0.1W.	4822	117	10837	3878	1K, 2%, 0.25W.	4822	051	10102
3644	100K, 1%, 0.1W.	4822	117	10837	3879	3.3K, 5%, 0.1W.	4822	051	20332
3645	56K, 1%, 0.1W.	4822	117	11148	3880	3.3K, 5%, 0.1W.	4822	051	20332
3646	56K, 1%, 0.1W.	4822	117	11148	3881	1K, 2%, 0.25W.	4822	051	10102
3649	100K, 1%, 0.1W.	4822	117	10837	3882	1K, 2%, 0.25W.	4822	051	10102
3650	100K, 1%, 0.1W.	4822	117	10837	3883	12K, 1%, 0.1W.	4822	117	11383
3651	56K, 1%, 0.1W.	4822	117	11148	3884	12K, 1%, 0.1W.	4822	117	11383
3652	56K, 1%, 0.1W.	4822	117	11148	3885	12K, 1%, 0.1W.	4822	117	11383
3655	100K, 1%, 0.1W.	4822	117	10837	3886	12K, 1%, 0.1W.	4822	117	11383
3656	100K, 1%, 0.1W.	4822	117	10837	3887	12K, 1%, 0.1W.	4822	117	11383
3657	56K, 1%, 0.1W.	4822	117	11148	3888	12K, 1%, 0.1W.	4822	117	11383
3658	56K, 1%, 0.1W.	4822	117	11148	3889	2.2K, 1%, 0.1W.	4822	117	11449
3659	2.7K, 1%, 0.1W, 0805	4822	117	12955	3890	2.2K, 1%, 0.1W.	4822	117	11449
3660	2.7K, 1%, 0.1W, 0805	4822	117	12955	3891	8.2K, 5%, 0.1W.	4822	051	20822
3661	5.6K, 5%, 0.1W, 0805	4822	051	20562	3892	8.2K, 5%, 0.1W.	4822	051	20822
3662	5.6K, 5%, 0.1W, 0805	4822	051	20562	3893	8.2K, 5%, 0.1W.	4822	051	20822
3663	2.7K, 1%, 0.1W, 0805	4822	117	12955	3895	8.2K, 5%, 0.1W.	4822	051	20822
3664	2.7K, 1%, 0.1W, 0805	4822	117	12955	3896	8.2K, 5%, 0.1W.	4822	051	20822
3665	5.6K, 5%, 0.1W, 0805	4822	051	20562	S 3901	47 Ohm, 5%, 0.33W.	4822	052	10479
3666	5.6K, 5%, 0.1W, 0805	4822	051	20562	3902	56K, 1%, 0.1W.	4822	117	11148
3667	2.7K, 1%, 0.1W, 0805	4822	117	12955	3903	47K, 1%, 0.1W.	4822	117	10834
3668	2.7K, 1%, 0.1W, 0805	4822	117	12955	3904	47K, 5%, 0.5W.	4822	116	83884
3669	5.6K, 5%, 0.1W, 0805	4822	051	20562	3905	4.7 Ohm, 1%, 0.6W.	4822	050	24708
3670	5.6K, 5%, 0.1W, 0805	4822	051	20562	3906	56K, 1%, 0.1W.	4822	117	11148
3671	47K, 1%, 0.1W.	4822	117	10834	3908	1.8K, 5%, 0.1W.	4822	051	20182
3672	47K, 1%, 0.1W.	4822	117	10834	3910	4.7 Ohm, 1%, 0.6W.	4822	050	24708
3673	2.2K, 1%, 0.1W.	4822	117	11449	3911	56K, 1%, 0.1W.	4822	117	11148
3674	2.2K, 1%, 0.1W.	4822	117	11449	3913	1.8K, 5%, 0.1W.	4822	051	20182
3675	100 Ohm, 5%, 0.1W.	4822	051	20101	3914	56K, 1%, 0.1W.	4822	117	11148
3676	100 Ohm, 5%, 0.1W.	4822	051	20101	S 3915	47 Ohm, 5%, 0.33W.	4822	052	10479
3677	47K, 1%, 0.1W.	4822	117	10834	S 3916	4.7 Ohm, 5%, 1W.	4822	053	10478
3678	47K, 1%, 0.1W.	4822	117	10834	3917	33K, 1%, 0.6W.	4822	050	23303
3679	2.2K, 1%, 0.1W.	4822	117	11449	3918	220 Ohm, 1%, 0.1W.	4822	117	11503
3680	2.2K, 1%, 0.1W.	4822	117	11449	S 3919	4.7 Ohm, 5%, 1W.	4822	053	10478
3681	100 Ohm, 5%, 0.1W.	4822	051	20101	3920	100K, 1%, 0.1W.	4822	117	10837

S = Safety Part Be sure to use exact replacement part.

3921	1K, 2%, 0.25W.	4822 051 10102	4832	0 Ohm Jumper, (0805)	4822 051 20008
3922	1K, 2%, 0.25W.	4822 051 10102	4835	0 Ohm Jumper, (0805)	4822 051 20008
3925	10K, 1%, 0.1W.	4822 117 10833	4902	0 Ohm Jumper, (0805)	4822 051 20008
S 3926	0.22 Ohm, 5%, 1W	4822 117 11744	4903	0 Ohm Jumper, (0805)	4822 051 20008
S 3927	0.22 Ohm, 5%, 1W	4822 117 11744	4904	0 Ohm Jumper, (0805)	4822 051 20008
3928	1.5K, 1%, 0.1W	4822 117 11139	4905	0 Ohm Jumper, (0805)	4822 051 20008
3929	1.5K, 1%, 0.1W	4822 117 11139	4907	0 Ohm Jumper, (0805)	4822 051 20008
S 3930	0.22 Ohm, 5%, 1W	4822 117 11744	4908	0 Ohm Jumper, (0805)	4822 051 20008
S 3931	0.22 Ohm, 5%, 1W	4822 117 11744	4909	0 Ohm Jumper, (0805)	4822 051 20008
3935	1K, 2%, 0.25W.	4822 051 10102	4910	0 Ohm Jumper, (0805)	4822 051 20008
3936	100K, 1%, 0.1W	4822 117 10837	4914	0 Ohm Jumper, (0805)	4822 051 20008
3937	10K, 1%, 0.1W.	4822 117 10833	4915	0 Ohm Jumper, (0805)	4822 051 20008
3938	2.2K, 1%, 0.1W.	4822 117 11449	4916	0 Ohm Jumper, (0805)	4822 051 20008
3939	2.2K, 1%, 0.1W.	4822 117 11449	4917	0 Ohm Jumper, (0805)	4822 051 20008
3940	220 Ohm, 1%, 0.1W.	4822 117 11503	4918	0 Ohm Jumper, (0805)	4822 051 20008
3941	220 Ohm, 1%, 0.1W.	4822 117 11503	SEMICONDUCTORS		
3943	10K, 1%, 0.1W.	4822 117 10833	6251	Diode, D5SBA20	4822 130 82078
3944	220 Ohm, 1%, 0.1W.	4822 117 11503	6257	Diode, 1N4003G	4822 130 31878
3945	220 Ohm, 1%, 0.1W.	4822 117 11503	6258	Diode, 1N4003G	4822 130 31878
3946	470 Ohm, 5%, 0.1W.	4822 051 20471	6259	Diode, 1N4003G	4822 130 31878
3947	470 Ohm, 5%, 0.1W.	4822 051 20471	6260	IC, Regulator, L7812CP	4822 209 33575
3948	220 Ohm, 1%, 0.1W.	4822 117 11503	6261	Diode, 1N4003G	4822 130 31878
3949	220 Ohm, 1%, 0.1W.	4822 117 11503	6262	Diode, 1N4003G	4822 130 31878
3950	1.8K, 5%, 0.1W	4822 051 20182	6263	Diode, 1N4003G	4822 130 31878
3951	1.8K, 5%, 0.1W	4822 051 20182	6265	IC, Regulator, L7805CP	4822 209 31841
3952	100 Ohm, 5%, 0.1W.	4822 051 20101	6267	IC, Regulator, L7805CP	4822 209 31841
3953	100 Ohm, 5%, 0.1W.	4822 051 20101	6268	Diode, 1N4003G	4822 130 31878
3954	100 Ohm, 5%, 0.1W.	4822 051 20101	6270	Diode, BZX79-B6V8.	4822 130 34278
3955	100 Ohm, 5%, 0.1W.	4822 051 20101	6271	Diode, 1N4148.	4822 130 30621
3956	100K, 5%, 0.5W	4822 116 52234	6274	Diode, 1N4003G	4822 130 31878
4251	0 Ohm Jumper, (0805)	4822 051 20008	6275	Diode, 1N4003G	4822 130 31878
4252	0 Ohm Jumper, (0805)	4822 051 20008	6276	Diode, BZX79-B5V6.	4822 130 34173
4254	0 Ohm Jumper, (0805)	4822 051 20008	6279	Diode, 1N4148.	4822 130 30621
4255	0 Ohm Jumper, (0805)	4822 051 20008	6280	Diode, BZX79-B10	4822 130 61219
4256	0 Ohm Jumper, (0805)	4822 051 20008	6281	Diode, BZX79-B22	4822 130 34441
4257	0 Ohm Jumper, (0805)	4822 051 20008	6289	Diode, 1N4148.	4822 130 30621
4258	0 Ohm Jumper, (0805)	4822 051 20008	6290	Diode, 1N4148.	4822 130 30621
4260	0 Ohm Jumper, (0805)	4822 051 20008	6304	Diode, BZX79-B3V3.	5322 130 31504
4283	0 Ohm Jumper, (0805)	4822 051 20008	6305	Diode, 1N4148.	4822 130 30621
4284	0 Ohm Jumper, (0805)	4822 051 20008	6501	Diode, 1N4148.	4822 130 30621
4285	0 Ohm Jumper, (0805)	4822 051 20008	6601	Diode, 1N4148.	4822 130 30621
4287	0 Ohm Jumper, (0805)	4822 051 20008	6602	Diode, 1N4148.	4822 130 30621
4320	0 Ohm Jumper, (0805)	4822 051 20008	6641	Diode, 1N4148.	4822 130 30621
4506	0 Ohm Jumper, (0805)	4822 051 20008	6642	Diode, 1N4148.	4822 130 30621
4513	0 Ohm Jumper, (0805)	4822 051 20008	6643	Diode, 1N4148.	4822 130 30621
4514	0 Ohm Jumper, (0805)	4822 051 20008	6644	Diode, 1N4148.	4822 130 30621
4515	0 Ohm Jumper, (0805)	4822 051 20008	6645	Diode, 1N4148.	4822 130 30621
4516	0 Ohm Jumper, (0805)	4822 051 20008	6646	Diode, 1N4148.	4822 130 30621
4517	0 Ohm Jumper, (0805)	4822 051 20008	6647	Diode, 1N4148.	4822 130 30621
4518	0 Ohm Jumper, (0805)	4822 051 20008	6648	Diode, 1N4148.	4822 130 30621
4519	0 Ohm Jumper, (0805)	4822 051 20008	6649	Diode, 1N4003G	4822 130 31878
4520	0 Ohm Jumper, (0805)	4822 051 20008	S 6650	Diode, BZX79-B10	4822 130 61219
4521	0 Ohm Jumper, (0805)	4822 051 20008	6801	Diode, BZX79-B6V8.	4822 130 34278
4522	0 Ohm Jumper, (0805)	4822 051 20008	6802	Diode, BZX79-B6V8.	4822 130 34278
4523	0 Ohm Jumper, (0805)	4822 051 20008	6803	Diode, BZX79-B6V8.	4822 130 34278
4524	0 Ohm Jumper, (0805)	4822 051 20008	6804	Diode, BZX79-B6V8.	4822 130 34278
4526	0 Ohm Jumper, (0805)	4822 051 20008	6805	Diode, BZX79-B6V8.	4822 130 34278
4528	0 Ohm Jumper, (0805)	4822 051 20008	6806	Diode, BZX79-B6V8.	4822 130 34278
4529	0 Ohm Jumper, (0805)	4822 051 20008	6807	Diode, BZX79-B6V8.	4822 130 34278
4530	0 Ohm Jumper, (0805)	4822 051 20008	6808	Diode, BZX79-B6V8.	4822 130 34278
4531	0 Ohm Jumper, (0805)	4822 051 20008	6809	Diode, 1N4148.	4822 130 30621
4532	0 Ohm Jumper, (0805)	4822 051 20008	6810	Diode, BZX79-B5V1.	4822 130 34233
4533	0 Ohm Jumper, (0805)	4822 051 20008	6811	Diode, BZX79-B8V2.	4822 130 34382
4537	0 Ohm Jumper, (0805)	4822 051 20008	6831	Diode, 1N4148.	4822 130 30621
4538	0 Ohm Jumper, (0805)	4822 051 20008	6832	Diode, 1N4148.	4822 130 30621
4539	0 Ohm Jumper, (0805)	4822 051 20008	6905	Diode, BZX79-B15	4822 130 34281
4540	0 Ohm Jumper, (0805)	4822 051 20008	7253	Transistor, BC847B	4822 130 60511
4541	0 Ohm Jumper, (0805)	4822 051 20008	7255	Transistor, BC856B	4822 130 60373
4542	0 Ohm Jumper, (0805)	4822 051 20008	7256	Transistor, BC847B	4822 130 60511
4543	0 Ohm Jumper, (0805)	4822 051 20008	7257	Transistor, BC327-25	4822 130 41246
4544	0 Ohm Jumper, (0805)	4822 051 20008	7258	Transistor, BC327-25	4822 130 41246
4545	0 Ohm Jumper, (0805)	4822 051 20008	7259	Transistor, BC847B	4822 130 60511
4548	0 Ohm Jumper, (0805)	4822 051 20008	7260	Transistor, BC847B	4822 130 60511
4550	0 Ohm Jumper, (0805)	4822 051 20008	7261	Transistor, BC856B	4822 130 60373
4551	0 Ohm Jumper, (0805)	4822 051 20008	7301	IC, STK496-270	4822 209 17447
4552	0 Ohm Jumper, (0805)	4822 051 20008	7304	Transistor, BC847B	4822 130 60511
4553	0 Ohm Jumper, (0805)	4822 051 20008	7305	Transistor, BC847B	4822 130 60511
4555	0 Ohm Jumper, (0805)	4822 051 20008	7306	Transistor, BC847B	4822 130 60511
4556	0 Ohm Jumper, (0805)	4822 051 20008	7307	Transistor, BC847B	4822 130 60511
4557	0 Ohm Jumper, (0805)	4822 051 20008	7309	Transistor, BC856B	4822 130 60373
4558	0 Ohm Jumper, (0805)	4822 051 20008	7310	Transistor, BC847B	4822 130 60511
4559	0 Ohm Jumper, (0805)	4822 051 20008	7501	IC, LC7821	4822 209 72748
4560	0 Ohm Jumper, (0805)	4822 051 20008	7503	IC, NJM4560M	4822 209 83357
S 4563	1 Ohm, 5%,	4822 117 11151	7504	IC, NJM4560M	4822 209 83357
4564	0 Ohm Jumper, (0805)	4822 051 20008	7571	IC, NJM4560DD.	4822 209 70157
4565	0 Ohm Jumper, (0805)	4822 051 20008	7572	IC, LC7821	4822 209 72748
4566	0 Ohm Jumper, (0805)	4822 051 20008	7601	IC, NJM4556MB.	4822 209 31378
4642	0 Ohm Jumper, (0805)	4822 051 20008	7621	Transistor, BC817-40	4822 130 42615
4644	0 Ohm Jumper, (0805)	4822 051 20008	7622	Transistor, BC817-40	4822 130 42615
4651	0 Ohm Jumper, (0805)	4822 051 20008	7641	IC, TDA7437T	4822 209 17386
4652	0 Ohm Jumper, (0805)	4822 051 20008	7642	IC, TDA7437T	4822 209 17386
4653	0 Ohm Jumper, (0805)	4822 051 20008	7643	IC, TDA7437T	4822 209 17386

S = Safety Part Be sure to use exact replacement part.

7644	Transistor, BC337.	4822	130	40855
7651	Transistor, BC817-40	4822	130	42615
7652	Transistor, BC817-40	4822	130	42615
7653	Transistor, BC817-40	4822	130	42615
7654	Transistor, BC817-40	4822	130	42615
7655	Transistor, BC817-40	4822	130	42615
7656	Transistor, BC817-40	4822	130	42615
7657	Transistor, BC856B	4822	130	60373
7658	Transistor, BC856B	4822	130	60373
7660	IC, NJM4560M	4822	209	83357
7661	Transistor, BC817-40	4822	130	42615
7662	Transistor, BC817-40	4822	130	42615
7801	Transistor, BC847B	4822	130	60511
S 7802	Transistor, BC557B	4822	130	44568
7803	IC, STV6401.	4822	209	16886
7901	IC, STK496-070	4822	209	17385
7902	Transistor, BC847B	4822	130	60511
7903	Transistor, BC847B	4822	130	60511
7904	Transistor, BC847B	4822	130	60511
7908	Transistor, BC856B	4822	130	60373
7909	Transistor, BC847B	4822	130	60511
7910	Transistor, BD242BFP	9322	139	22687

EXPLODED VIEW PARTS

EXPLODED VIEW PARTS				
1	FRONT CABINET ASM. FR965/17.	3104	217	52930
2	BUTTON HINGE ASM. SURROUND	4822	410	12442
3	BUTTONS HINGE TUNER.	4822	410	12435
4	BUTTON HINGE ASM. MENU	4822	410	12443
5	BUTTONS HINGE BASS TREBLE.	4822	410	12436
6	BUTTONS EASY LINK.	4822	410	12437
8	LIGHT GUIDE SURROUND	4822	380	10274
9	LIGHT GUIDE VIRTUAL/HALL	3104	214	38460
10	LIGHT GUIDE SELECTOR	4822	380	10277
11	ORN. PLATE ASM. FR960/01/17.	3104	217	52450
12	RING KNOB, VOLUME.	3104	217	52130
13	RING KNOB, SOURCE SELECTOR	3104	217	52140
14	WINDOW DISPLAY ASM. FR960/01/17.	3104	217	52260
25	KNOB, VOLUME (BL).	4822	410	12438
26	KNOB, SOURCE SELECTOR.	4822	410	12439
27	KNOB, MENU NAV (BL).	4822	410	12441
28	BADGE, PHILIPS	4822	459	10887
36	LEG, SILVER.	4822	691	10773
38	LEG, SILVER.	4822	691	10773
115	POWER ROD.	4822	535	10638
116	POWER CAP.	4822	462	11176
117	BUSH	4822	532	60948
125	COVERPLATE	4822	442	01817
1001	FRONT DISPLAY PANEL.	0000	0-	-_-_-
1002	MONO BOARD ASSEMBLY.	0000	0-	-_-_-
1003	MULTI CHANNEL DECODING	3104	217	05750
1004	MAINS BOARD ASSEMBLY	0000	0-	-_-_-
1005	EC05 TUNER PANEL	0000	0-	-_-_-
S 5001	TRANSFORMER, FR965/17 5 X 50W.	3104	218	31000
8002	FLEXIBLE FOIL, 15P 220MM	4822	320	12706
S 8020	MAINS CORD UL	3139	118	77230
AC01	HOME CINEMA SPEAKER 60W.	3104	219	04220
AC02	HOME CINEMA CENTER SPEAKER 60W	3104	219	04200
AC03	SUBWOOFER FB201V/17.	3104	219	03730
AC04	CORD SET, L/R BOX.	4822	320	12719
AC05	CORD SET, CENTER SPEAKER	4822	320	12721
AC06	CORD SET, SURROUND SPEAKER	4822	320	12722
AC07	FM AERIAL, 300 Ohm	4822	320	11094
AC08	P50 ADAPTOR.	4822	263	21206
AC09	AM ANTENNA FRAME	4822	303	50082
AC10	REMOTE CONTROL	3104	219	03770
AC11	ASSEMBLY CINCH/CINCH 1M.	4822	321	61452
AC12	IFU MX960/37 (OWNER'S MANUAL).	3104	215	36260

S = Safety Part Be sure to use exact replacement part.